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TEXTILE ORGANON

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Highlights

- Worldwide Fiber Demand Continues to Grow
  - - - Demand for man-made fiber up 3.3% to 35,488 million pounds
  - - - Demand for natural fibers up 3.1% to 41,713 million pounds
- U.S. Imports of Man-Made Fiber Growing Much Faster Than Exports - +11.2% vs. +0.1% for January-May 1987

SHIPMENTS:

In the first half of 1987, U.S. noncellulosic shipments totaled 4,149.8 million pounds, up 8.9% (340.4 million pounds) over January-June 1986. Shipments of noncellulosic yarn+monofilaments rose 5.5% to 1,979.3 million pounds, while staple+tow increased 12.3% to 2,170.5 million pounds.

Nylon staple+tow shipments grew faster than the other categories listed in Table 1, up 25.8% for January-June 1987. Other leading gainers were polyester staple+tow, which rose 12.3% and nylon yarn, which increased 8.6%. The latter is derived from increases in industrial (+12.9%), carpet (+9.2%) and textile (+3.2%) nylon yarn shipments.

Increased first half shipments were also registered for olefin staple, up 8.3% and olefin yarn, up 6.5%.

TABLE 1:
TOTAL U.S. MAN-MADE FIBER SHIPMENTS
MILLION POUNDS & *PERCENT CHANGE*

ITEM	1987 JUN	1987 MAY	% CHG 5/87-6/87	1986 JUN	% CHG 6/86-6/87	YEAR TO DATE 1987	YEAR TO DATE 1986	% CHG YTD 1986-1987
YARN+MONOFILAMENTS								
CELLULOSIC YARN	16.9	16.1	*+5.0*	17.2	*-1.7*	93.7	108.8	*-13.9*
NYLON[a]- INDUSTRIAL	30.0	35.7	*-16.0*	26.7	*+12.4*	189.6	168.0	*+12.9*
- CARPET	77.5	86.2	*-10.1*	74.8	*+3.6*	473.2	433.5	*+9.2*
- TEXTILE[b]	32.6	32.4	*+0.6*	29.1	*+12.0*	191.5	185.5	*+3.2*
POLYESTER - INDUSTRIAL	27.1	28.0	*-3.2*	24.6	*+10.2*	166.4	157.4	*+5.7*
- TEXTILE[b]	72.1	73.6	*-2.0*	60.7	*+18.8*	421.0	426.5	*-1.3*
OLEFIN	94.7	89.8	*+5.5*	92.4	*+2.5*	537.6	505.0	*+6.5*
TOTAL NONCELLULOSIC ABOVE	334.0	345.7	*-3.4*	308.3	*+8.3*	1979.3	1875.9	*+5.5*
STAPLE+TOW+FIBERFILL								
RAYON	34.4	31.6	*+8.9*	31.3	*+9.9*	199.1	196.8	*+1.2*
NYLON[a]	78.4	91.1	*-13.9*	67.1	*+16.8*	509.7	405.2	*+25.8*
ACRYLIC+MODACRYLIC	45.1	52.3	*-13.8*	51.8	*-12.9*	302.7	313.1	*-3.3*
POLYESTER	207.7	193.4	*+7.4*	160.2	*+29.7*	1178.8	1049.7	*+12.3*
OLEFIN+VINYON[c]	30.2	30.0	*+0.7*	29.9	*+1.0*	179.3	165.5	*+8.3*
TOTAL NONCELLULOSIC ABOVE	361.4	366.8	*-1.5*	309.0	*+17.0*	2170.5	1933.5	*+12.3*

a. Nylon excludes Aramid.
b. Low denier industrial nylon and polyester is included with Textile.
c. 1987 data exclude Vinyon.

Textile Organon

A Monthly Review

JULY 1987

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The steady increase in worldwide fiber demand continued in 1986. Total demand for fibers listed in Table 2 was 77,201 million pounds in 1986.

The relationship between man-made fiber and natural fiber has remained unchanged during the last four years, 46% and 54%, respectively. The only major fiber gain in share has been recorded by noncellulosic. Declines in percent share of demand were registered by cotton, from 49.9% in 1982 to 49.1% in 1986; wool, from 5.5% to 4.8%; and cellulosic, from 10% to 8.5%. Demand for noncellulosic rose from 34.4% in 1982 to 37.4% in 1986. (See Table 2)

Of the 28,910 million pounds of noncellulosic fiber produced worldwide in 1986, the U.S. was the largest producer with 22.3%. However, the U.S., Western Europe and Japan experienced declines in share of total production over the last five years, while Other Asia advanced from 16.3% to 20.5% of worldwide production. (See Table 3)

TEN LEADING NONCELLULOSIC FIBER PRODUCING COUNTRIES - 1986

1986 RANK		PRODUCTION MM LBS
1	U.S.A.	6435
2	Japan	3000
3	Taiwan	2716
4	Korea,Rep.of	1900
5	China,PRC	1832
6	U.S.S.R.	1646
7	Germany,Fed.Rep.	1645
8	Italy/Malta	1254
9	Mexico	664
10	Spain	593

1986 worldwide cellulosic fiber production totaled 6,578 million pounds, a gain of 1.3% from 6,494 million pounds produced in 1982. (See Table 4)

FIVE LEADING CELLULOSIC FIBER PRODUCING COUNTRIES - 1986

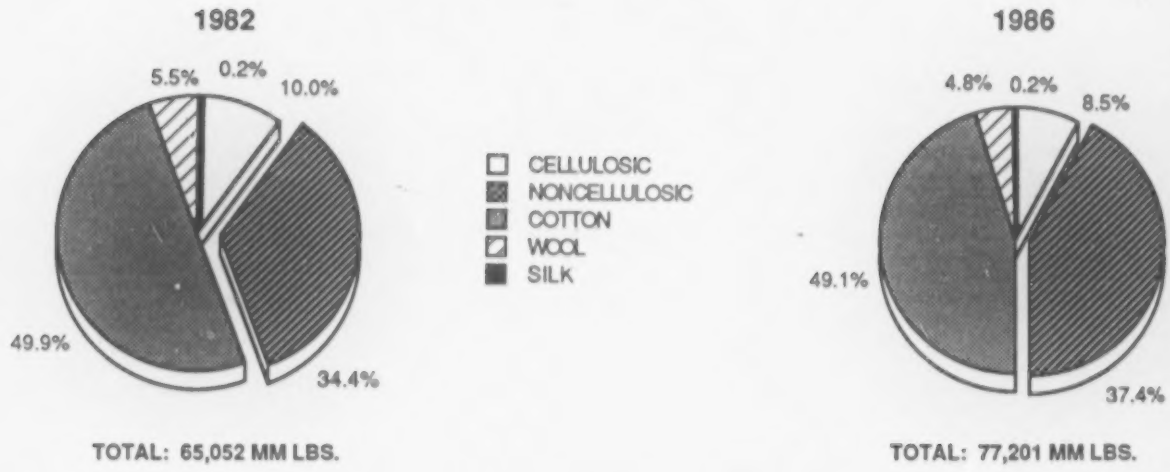
1986 RANK		PRODUCTION MM LBS
1	U.S.S.R.	1468
2	Japan	796
3	U.S.A.	619
4	China,PRC	478
5	India	300

In terms of noncellulosic fiber producing capacity, March 1987 survey data indicate Other Asia as the leader with 21.9% followed by U.S.A. and Western Europe at 20.3% and 18.6%, respectively. By year-end 1988, Other Asia's share is projected to increase to 23.4%, while all other areas post modest declines. (See Table 6)

NONCELLULOSIC FIBER PRODUCING CAPACITY (PERCENT SHARE)

	3/87	12/88
Western Europe	18.6%	18.2%
Eastern Europe	12.9%	12.8%
U.S.A.	20.3%	20.0%
Other Americas	7.4%	7.3%
Japan	10.4%	10.1%
China, PRC	6.4%	6.2%
Other Asia	21.9%	23.4%
Middle East, Africa & Oceania	2.1%	2.0%
World Total	100.0%	100.0%

GRAPH 1:
WORLDWIDE DEMAND FOR CERTAIN FIBERS
PERCENT SHARE



TOTAL: 65,052 MM LBS.

TOTAL: 77,201 MM LBS.

TABLE 2:
WORLDWIDE DEMAND FOR CERTAIN FIBERS
MILLION POUNDS

TYPE OF FIBER	1982	1983	1984	1985	1986	% CHANGE 1986 / 1985
CELLULOSIC FIBERS						
YARN+MONOFILAMENTS	2256	2293	2268	2261	2282	*+1.0*
STAPLE+TOW	4238	4385	4553	4423	4296	*-2.8*
TOTAL CELLULOSIC	**6494**	**6678**	**6821**	**6684**	**6578**	*-1.6*
NONCELLULOSIC FIBERS						
YARN+MONOFILAMENTS	9876	10695	11487	12309	12614	*+2.5*
STAPLE+TOW	12490	13810	14635	15376	16296	*+6.0*
TOTAL NONCELLULOSIC	**22366**	**24505**	**26122**	**27685**	**28910**	*+4.4*
TOTAL MAN-MADE [a]	**28860**	**31183**	**32943**	**34369**	**35488**	*+3.3*
% of World Total	*44%*	*46%*	*46%*	*46%*	*46%*	
NATURAL FIBERS						
RAW COTTON [b]	32491	33206	34233	36638	37877	*+3.4*
RAW WOOL [c]	3580	3607	3686	3693	3713	*+0.5*
RAW SILK [d]	121	121	121	123	123	*0*
TOTAL NATURAL	**36192**	**36934**	**38040**	**40454**	**41713**	*+3.1*
% of World Total	*56%*	*54%*	*54%*	*54%*	*54%*	
WORLD TOTAL	**65052**	**68117**	**70983**	**74823**	**77201**	*+3.2*
World Total %	*100%*	*100%*	*100%*	*100%*	*100%*	

The silk and man-made fiber data are on a calendar year basis, while the figures for cotton and wool are on a seasonal basis.

a. Man-made fiber data are from tables 3 and 4 of this issue. Textile glass fiber, olefin and acetate cigarette tow production are not included.
b. International Cotton Advisory Committee. New series based on cotton consumption data.
c. Commonwealth Secretariat & The Wool Bureau, Inc. data are on a scoured basis. Also see December 1986 *Organon*.
d. International Silk Association; Food and Agriculture Organization of the United Nations.

GRAPH 2:
WORLDWIDE DEMAND FOR CERTAIN FIBERS
1966-1986

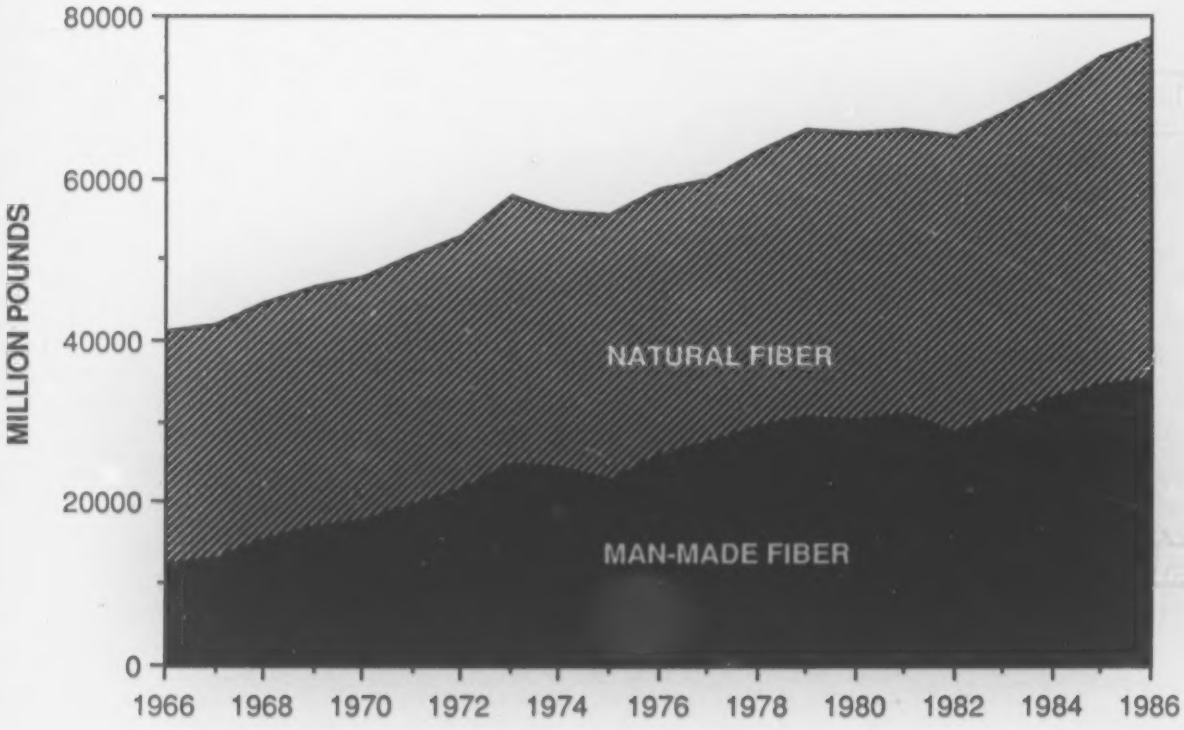


TABLE 3:
WORLDWIDE NONCELLULOSIC FIBER PRODUCTION & PRODUCING CAPACITY BY COUNTRY EXCEPT OLEFIN
MILLION POUNDS

COUNTRY	ACTUAL PRODUCTION								
	1982			1983			1984		
	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
WESTERN EUROPE									
AUSTRIA	0	35.7	35.7	0	39.7	39.7	0	39.9	39.9
BENELUX[a]	155.6	42.3	197.9	136.5	47.0	183.5	144.4	50.7	195.1
FINLAND	1.1	0	1.1	1.1	0	1.1	1.1	0	1.1
FRANCE	142.9	276.2	419.1	139.3	297.8	437.1	132.7	294.5	427.2
GERMANY, FED. REP.	703.3	771.6	1474.9	747.8	866.4	1614.2	776.0	835.5	1611.5
GREECE	18.7	20.5	39.2	19.8	22.0	41.8	19.8	22.0	41.8
IRELAND	27.1	61.7	88.8	24.3	70.5	94.8	25.4	82.7	108.1
ITALY/MALTA	327.8	617.3	945.1	314.2	689.2	1003.4	339.5	816.6	1156.1
PORTUGAL	2.0	83.8	85.8	2.2	86.0	88.2	2.2	92.6	94.8
SPAIN	162.3	347.9	510.2	142.4	381.8	524.2	171.1	389.8	560.9
SWITZERLAND	117.7	59.5	177.2	127.9	61.7	189.6	153.7	62.4	216.1
TURKEY	99.4	176.8	276.2	105.8	230.4	336.2	115.7	266.1	381.8
UNITED KINGDOM	146.6	303.8	450.4	176.4	325.6	502.0	184.1	339.5	523.6
TOTAL WESTERN EUROPE	1904.5	2797.1	4701.6	1937.7	3118.1	5055.8	2065.7	3292.3	5358.0
EASTERN EUROPE									
ALBANIA	0	0	0	0	0	0	0	0	0
BULGARIA	29.8	83.8	113.6	39.7	92.6	132.3	44.1	96.6	140.7
CZECHOSLOVAKIA	116.6	79.1	195.7	119.0	79.8	198.8	132.3	85.1	217.4
GERMANY, DEM .REP.	143.3	173.9	317.2	152.1	180.8	332.9	151.0	189.6	340.6
HUNGARY	16.8	28.0	44.8	16.8	29.1	45.9	17.6	29.8	47.4
POLAND	176.4	120.6	297.0	194.9	160.1	355.0	201.5	165.3	366.8
ROMANIA	90.4	246.9	337.3	99.2	248.0	347.2	116.8	256.8	373.6
USSR	711.6	584.2	1295.8	760.6	610.7	1371.3	821.9	642.6	1464.5
YUGOSLAVIA	59.5	104.7	164.2	63.9	110.2	174.1	72.8	114.6	187.4
TOTAL EASTERN EUROPE	1344.4	1421.2	2765.6	1446.2	1511.3	2957.5	1558.0	1580.4	3138.4
TOTAL EUROPE	3248.9	4218.3	7467.2	3383.9	4629.4	8013.3	3623.7	4872.7	8496.4

Y Yarn+monofilaments.
S Staple+tow+fiberfill.
a. Includes Belgium, Netherlands and Luxembourg.

ACTUAL PRODUCTION						PRODUCING CAPACITY					
1985			1986			3/1987			12/1988		
Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
0	39.9	39.9	0	33.1	33.1	*0*	*46.3*	*46.3*	*0*	*48.5*	*48.5*
156.5	63.9	220.4	160.9	75.0	235.9	*219.4*	*130.1*	*349.5*	*219.4*	*130.1*	*349.5*
1.1	0	1.1	1.1	0	1.1	*1.3*	*0*	*1.3*	*1.3*	*0*	*1.3*
133.8	273.4	407.2	134.9	233.7	368.6	*189.6*	*293.2*	*482.8*	*189.6*	*293.2*	*482.8*
793.7	886.2	1679.9	765.0	879.6	1644.6	*901.7*	*954.6*	*1856.3*	*917.1*	*954.6*	*1871.7*
19.8	22.0	41.8	19.8	22.0	41.8	*39.0*	*26.5*	*65.5*	*39.0*	*26.5*	*65.5*
25.4	97.0	122.4	28.7	134.5	163.2	*30.9*	*144.4*	*175.3*	*30.9*	*144.4*	*175.3*
374.8	855.4	1230.2	381.4	873.0	1254.4	*418.2*	*925.9*	*1344.1*	*418.2*	*925.9*	*1344.1*
2.2	108.0	110.2	0	121.3	121.3	*0*	*127.9*	*127.9*	*0*	*138.9*	*138.9*
187.4	416.7	604.1	183.0	410.1	593.1	*260.1*	*491.0*	*751.1*	*260.1*	*491.0*	*751.1*
158.7	60.6	219.3	149.9	59.5	209.4	*187.4*	*70.5*	*257.9*	*187.4*	*70.5*	*257.9*
123.5	295.4	418.9	132.3	372.6	504.9	*238.1*	*474.0*	*712.1*	*242.5*	*474.0*	*716.5*
199.5	328.5	528.0	191.8	286.6	478.4	*235.9*	*421.1*	*657.0*	*235.9*	*421.1*	*657.0*
2176.4	3447.0	5623.4	2148.8	3501.0	5649.8	*2721.6*	*4105.5*	*6827.1*	*2741.4*	*4118.7*	*6860.1*
0.9	0	0.9	0.9	0	0.9	*4.4*	*11.0*	*15.4*	*4.4*	*11.0*	*15.4*
61.7	103.2	164.9	88.2	105.8	194.0	*132.3*	*189.6*	*321.9*	*132.3*	*233.7*	*366.0*
149.9	110.2	260.1	154.3	112.4	266.7	*202.8*	*191.8*	*394.6*	*213.8*	*191.8*	*405.6*
152.1	191.8	343.9	169.8	203.9	373.7	*196.2*	*240.3*	*436.5*	*200.6*	*240.3*	*440.9*
20.9	32.6	53.5	21.4	38.6	60.0	*26.5*	*50.7*	*77.2*	*26.5*	*50.7*	*77.2*
205.9	170.9	376.8	211.9	173.1	385.0	*269.0*	*185.2*	*454.2*	*278.2*	*185.2*	*463.4*
116.8	326.3	443.1	132.3	332.9	465.2	*172.0*	*383.6*	*555.6*	*172.0*	*383.6*	*555.6*
857.1	692.2	1549.3	866.0	780.4	1646.4	*1049.4*	*1040.6*	*2090.0*	*1049.4*	*1040.6*	*2090.0*
99.2	169.8	269.0	103.6	176.4	280.0	*158.7*	*220.5*	*379.2*	*158.7*	*244.7*	*403.4*
1664.5	1797.0	3461.5	1748.4	1923.5	3671.9	*2211.3*	*2513.3*	*4724.6*	*2235.9*	*2581.6*	*4817.5*
3840.9	5244.0	9084.9	3897.2	5424.5	9321.7	*4932.9*	*6618.8*	*11551.7*	*4977.3*	*6700.3*	*11677.6*

TABLE 3:
WORLDWIDE NONCELLULOSIC FIBER PRODUCTION & PRODUCING CAPACITY BY COUNTRY EXCEPT OLEFIN *(CONTINUED)*

MILLION POUNDS

COUNTRY	ACTUAL PRODUCTION								
	1982			1983			1984		
	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
U.S.A.	**2472.2**	**3264.1**	**5736.3**	**2851.7**	**3780.9**	**6632.6**	**2777.4**	**3697.3**	**6474.7**
OTHER AMERICAS									
ARGENTINA	39.9	26.2	66.1	53.4	35.3	88.7	56.2	47.2	103.4
BOLIVIA	2.2	0	2.2	4.4	0	4.4	0	0	0
BRAZIL	255.7	181.0	436.7	233.0	175.5	408.5	260.6	215.2	475.8
CANADA	114.6	99.2	213.8	130.7	116.8	247.5	153.4	130.1	283.5
CHILE	10.1	1.8	11.9	5.7	2.2	7.9	6.2	2.4	8.6
COLOMBIA	68.3	19.4	87.7	69.0	19.6	88.6	85.1	23.6	108.7
COSTA RICA	7.3	0	7.3	7.7	0	7.7	7.7	0	7.7
ECUADOR	11.7	0	11.7	10.1	0	10.1	10.6	0	10.6
MEXICO	258.2	254.4	512.6	278.4	315.0	593.4	325.0	333.8	658.8
PERU	24.7	64.8	89.5	27.6	68.3	95.9	28.7	75.2	103.9
URUGUAY	2.0	6.0	8.0	3.5	8.2	11.7	3.5	7.5	11.0
VENEZUELA	18.1	7.9	26.0	21.4	8.8	30.2	22.5	12.1	34.6
TOTAL OTHER AMERICAS	**812.8**	**660.7**	**1473.5**	**844.9**	**749.7**	**1594.6**	**959.5**	**847.1**	**1806.6**
JAPAN	**1309.1**	**1561.3**	**2870.4**	**1316.8**	**1589.3**	**2906.1**	**1397.7**	**1621.0**	**3018.7**
CHINA, PRC	**134.5**	**712.1**	**846.6**	**145.5**	**757.1**	**902.6**	**227.3**	**1014.8**	**1242.1**
OTHER ASIA									
BANGLADESH	0.4	0	0.4	0.4	0	0.4	0.7	0	0.7
INDIA	136.7	97.4	234.1	192.2	89.9	282.1	234.3	123.5	357.8
INDONESIA	148.1	127.9	276.0	146.4	136.2	282.6	157.6	161.6	319.2
KOREA, REP. OF	664.5	685.9	1350.4	741.8	722.2	1464.0	814.8	830.9	1645.7
MALAYSIA	0	70.5	70.5	0	77.2	77.2	0	78.3	78.3
PAKISTAN	11.2	26.5	37.7	17.9	41.0	58.9	26.5	47.8	74.3
PHILIPPINES	63.9	33.1	97.0	54.0	35.3	89.3	45.2	35.3	80.5
SRI LANKA	2.2	0	2.2	2.2	0	2.2	2.2	0	2.2
TAIWAN	619.1	771.8	1390.9	713.0	912.7	1625.7	921.3	987.7	1909.0
THAILAND	81.8	105.8	187.6	88.2	110.2	198.4	81.6	115.5	197.1
TOTAL OTHER ASIA	**1727.9**	**1918.9**	**3646.8**	**1956.1**	**2124.7**	**4080.8**	**2284.2**	**2380.6**	**4664.8**
MIDDLE EAST, AFRICA & OCEANIA									
AUSTRALIA/N.Z.	32.0	1.1	33.1	32.0	2.2	34.2	28.7	2.2	30.9
EGYPT	7.3	38.8	46.1	7.7	45.4	53.1	12.1	56.4	68.5
IRAN	25.4	44.1	69.5	33.1	59.5	92.6	29.8	52.9	82.7
ISRAEL	19.8	15.4	35.2	19.2	15.4	34.6	20.9	15.4	36.3
KENYA	4.0	0	4.0	8.4	0	8.4	9.9	2.2	12.1
NIGERIA	2.6	2.4	5.0	5.5	5.5	11.0	6.6	6.6	13.2
SOUTH AFRICA	77.2	52.9	130.1	83.8	50.7	134.5	102.5	65.5	168.0
TANZANIA	2.2	0	2.2	6.6	0	6.6	6.6	0	6.6
TOTAL M.E., A. & O.	**170.5**	**154.7**	**325.2**	**196.3**	**178.7**	**375.0**	**217.1**	**201.2**	**418.3**
TOTAL WORLD	**9875.9**	**12490.1**	**22366.0**	**10695.2**	**13809.8**	**24505.0**	**11486.9**	**14634.7**	**26121.6**

ACTUAL PRODUCTION						PRODUCING CAPACITY					
1985			1986			3/1987			12/1988		
Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
2835.8	3478.6	6314.4	2778.2	3656.5	6434.7	3248.0	4200.0	7448.0	3291.0	4235.0	7526.0
59.7	37.0	96.7	67.7	53.8	121.5	148.4	83.8	232.2	148.4	83.8	232.2
0	0	0	0	0	0	11.0	0	11.0	11.0	0	11.0
268.3	211.2	479.5	302.7	225.3	528.0	371.3	272.9	644.2	371.3	280.4	651.7
165.6	119.9	285.5	166.0	131.0	297.0	265.4	169.8	435.2	265.4	169.8	435.2
7.3	4.4	11.7	8.2	5.1	13.3	23.6	17.6	41.2	23.6	17.6	41.2
84.4	26.5	110.9	85.3	28.7	114.0	158.7	35.3	194.0	165.3	35.3	200.6
7.7	0	7.7	9.3	0	9.3	17.6	0	17.6	17.6	0	17.6
10.8	0	10.8	11.0	0	11.0	19.8	15.4	35.2	24.3	15.4	39.7
335.5	330.7	666.2	337.7	325.8	663.5	408.3	471.8	880.1	408.3	471.8	880.1
29.3	72.8	102.1	29.8	75.2	105.0	41.9	94.8	136.7	44.1	94.8	138.9
4.6	8.8	13.4	4.9	9.7	14.6	6.6	12.1	18.7	11.0	12.1	23.1
24.0	13.2	37.2	25.6	14.3	39.9	50.7	25.4	76.1	50.7	25.4	76.1
997.2	824.5	1821.7	1048.2	868.9	1917.1	1523.3	1198.9	2722.2	1541.0	1206.4	2747.4
1422.8	1669.5	3092.3	1340.8	1659.6	3000.4	1794.8	2012.8	3807.6	1794.8	2012.8	3807.6
337.1	1316.4	1653.5	352.7	1479.3	1832.0	465.2	1873.9	2339.1	465.2	1873.9	2339.1
0.9	0	0.9	0.9	0	0.9	2.2	39.7	41.9	2.2	39.7	41.9
281.1	145.9	427.0	304.2	169.3	473.5	533.5	546.7	1080.2	687.8	608.5	1296.3
169.5	155.0	324.5	180.1	187.4	367.5	326.3	324.1	650.4	348.3	372.6	720.9
901.0	888.2	1789.2	961.4	938.9	1900.3	1037.0	988.8	2025.8	1070.1	988.8	2058.9
0	85.5	85.5	0	86.0	86.0	0	92.6	92.6	0	92.6	92.6
34.4	50.7	85.1	40.1	53.8	93.9	125.7	92.6	218.3	189.6	138.9	328.5
48.5	36.4	84.9	46.3	33.1	79.4	83.8	50.7	134.5	86.0	50.7	136.7
2.6	0	2.6	2.9	0	2.9	6.6	0	6.6	6.6	0	6.6
1123.2	1133.4	2256.6	1335.1	1381.2	2716.3	1797.2	1634.9	3432.1	1990.8	1793.4	3784.2
81.8	121.3	203.1	88.2	125.7	213.9	163.6	158.7	322.3	166.7	187.4	354.1
2643.0	2616.4	5259.4	2959.2	2975.4	5934.6	4075.9	3928.8	8004.7	4548.1	4272.6	8820.7
29.8	2.2	32.0	30.9	2.2	33.1	56.2	3.3	59.5	56.2	3.3	59.5
12.3	60.8	73.1	12.8	65.3	78.1	32.2	112.4	144.6	32.2	116.8	149.0
29.8	68.3	98.1	29.8	68.3	98.1	95.9	86.0	181.9	95.9	99.2	195.1
23.1	16.1	39.2	24.0	16.1	40.1	39.7	17.4	57.1	39.7	17.4	57.1
11.2	2.2	13.4	11.2	2.2	13.4	37.5	11.9	49.4	37.5	11.9	49.4
7.1	6.6	13.7	7.1	6.8	13.9	13.2	11.0	24.2	17.6	11.0	28.6
112.4	70.1	182.5	115.3	70.5	185.8	149.9	70.5	220.4	149.9	75.0	224.9
6.6	0	6.6	6.6	0	6.6	15.4	0	15.4	15.4	0	15.4
232.3	226.3	458.6	237.7	231.4	469.1	440.0	312.5	752.5	444.4	334.6	779.0
12309.1	15375.7	27684.8	12614.0	16295.6	28909.6	16480.1	20145.7	36625.8	17061.8	20635.6	37697.4

TABLE 4:
WORLDWIDE CELLULOSIC FIBER PRODUCTION & PRODUCING CAPACITY BY COUNTRY
MILLION POUNDS

COUNTRY	ACTUAL PRODUCTION								
	1982			1983			1984		
	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
WESTERN EUROPE [a]									
AUSTRIA	30.4	222.2	252.6	25.1	241.8	266.9	32.6	240.3	272.9
BELGIUM/NETHERLANDS	81.8	19.6	101.4	90.6	13.4	104.0	90.6	0	90.6
FINLAND	0	117.1	117.1	0	127.0	127.0	0	127.9	127.9
FRANCE	19.0	81.3	100.3	18.5	65.0	83.5	16.5	41.9	58.4
GERMANY, FED. REP.	135.6	110.2	245.8	130.1	121.3	251.4	134.5	121.3	255.8
GREECE	15.9	0	15.9	13.9	0	13.9	13.2	0	13.2
ITALY	69.7	31.3	101.0	64.6	0	64.6	67.5	0	67.5
NORWAY	0	44.1	44.1	0	0	0	0	0	0
PORTUGAL	2.0	0	2.0	2.0	0	2.0	2.2	0	2.2
SPAIN	24.9	70.1	95.0	23.1	47.4	70.5	15.9	57.5	73.4
SWEDEN	0	83.8	83.8	0	86.6	86.6	0	88.4	88.4
TURKEY	0.7	6.6	7.3	0.7	8.8	9.5	0.7	9.9	10.6
UNITED KINGDOM	52.9	196.7	249.6	55.1	254.0	309.1	46.3	234.1	280.4
TOTAL WESTERN EUROPE	432.9	983.0	1415.9	423.7	965.3	1389.0	420.0	921.3	1341.3
EASTERN EUROPE									
BULGARIA	8.8	75.0	83.8	9.0	77.2	86.2	9.0	81.8	90.8
CZECHOSLOVAKIA	43.2	78.3	121.5	44.3	83.6	127.9	45.2	85.1	130.3
GERMANY, DEM. REP.	75.0	281.7	356.7	77.2	286.8	364.0	77.6	297.6	375.2
HUNGARY	0	16.8	16.8	0	14.1	14.1	0	15.4	15.4
POLAND	42.5	99.4	141.9	40.1	112.9	153.0	43.0	123.5	166.5
ROMANIA	18.1	110.2	128.3	18.7	112.4	131.1	18.7	112.4	131.1
USSR	649.0	750.7	1399.7	661.4	760.6	1422.0	676.8	760.6	1437.4
YUGOSLAVIA	28.7	121.3	150.0	30.9	127.9	158.8	30.9	121.3	152.2
TOTAL EASTERN EUROPE	865.3	1533.4	2398.7	881.6	1575.5	2457.1	901.2	1597.7	2498.9
TOTAL EUROPE	1298.2	2516.4	3814.6	1305.3	2540.8	3846.1	1321.2	2519.0	3840.2

Y Yarn+monofilaments.
S Staple+tow+fiberfill.
a. Starting in 1986 country detail is no longer available due to disclosure.
These totals do not include data for the Indonesian pilot plant nor production of cellulosic fiber in North Korea.
Production and producing capacity by country, divided between rayon and acetate yarn, is given on pages 174 - 175.
Also note page 178 for data on production of cigarette tow.

ACTUAL PRODUCTION						PRODUCING CAPACITY					
1985			1986			3/1987			12/1988		
Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
32.8	240.3	273.1			271.2			*284.4*			*286.6*
92.6	0	92.6			88.2			*99.6*			*99.6*
0	132.3	132.3			121.3			*143.3*			*143.3*
15.4	33.1	48.5			46.3			*55.1*			*55.1*
141.1	121.3	262.4	DETAIL NO LONGER AVAILABLE		266.8	DETAIL NO LONGER AVAILABLE		*288.8*	DETAIL NO LONGER AVAILABLE		*288.8*
15.4	0	15.4			17.4			*17.6*			*17.6*
66.6	0	66.6			66.1			*92.6*			*99.2*
0	0	0			0			*0*			*0*
2.2	0	2.2			1.5			*4.4*			*4.4*
16.5	66.1	82.6			79.4			*90.6*			*90.6*
0	72.8	72.8			48.7			*99.2*			*103.6*
2.2	15.4	17.6			17.6			*20.3*			*20.3*
41.9	132.7	174.6			127.9			*166.4*			*166.4*
426.7	**814.0**	**1240.7**	**418.0**	**734.4**	**1152.4**	***494.9***	***867.4***	***1362.3***	***501.5***	***874.0***	***1375.5***
9.0	82.9	91.9	9.3	83.8	93.1	*11.0*	*92.6*	*103.6*	*11.0*	*92.6*	*103.6*
46.1	87.3	133.4	46.5	89.3	135.8	*55.1*	*134.5*	*189.6*	*55.1*	*134.5*	*189.6*
78.0	291.9	369.9	78.5	201.7	280.2	*86.0*	*366.0*	*452.0*	*86.0*	*366.0*	*452.0*
0	15.4	15.4	0	15.4	15.4	*0*	*22.0*	*22.0*	*0*	*22.0*	*22.0*
45.2	132.3	177.5	45.6	138.9	184.5	*70.5*	*157.6*	*228.1*	*70.5*	*157.6*	*228.1*
19.4	116.8	136.2	19.8	121.3	141.1	*22.0*	*352.7*	*374.7*	*22.0*	*352.7*	*374.7*
687.8	771.6	1459.4	696.7	771.6	1468.3	*749.6*	*778.2*	*1527.8*	*749.6*	*778.2*	*1527.8*
32.8	121.3	154.1	33.3	123.5	156.8	*37.5*	*132.3*	*169.8*	*37.5*	*132.3*	*169.8*
918.3	**1619.5**	**2537.8**	**929.7**	**1546.0**	**2475.7**	***1031.7***	***2035.9***	***3067.6***	***1031.7***	***2035.9***	***3067.6***
1345.0	**2433.5**	**3778.5**	**1347.7**	**2280.4**	**3628.1**	***1526.6***	***2903.3***	***4429.9***	***1533.2***	***2909.9***	***4443.1***

TABLE 4:
WORLDWIDE CELLULOSIC FIBER PRODUCTION & PRODUCING CAPACITY BY COUNTRY *(CONTINUED)*

MILLION POUNDS

COUNTRY	ACTUAL PRODUCTION								
	1982			1983			1984		
	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
U.S.A.	228.4	354.9	583.3	263.9	376.1	640.0	239.0	388.9	627.9
OTHER AMERICAS									
ARGENTINA	3.5	0	3.5	3.7	0	3.7	4.0	3.3	7.3
BRAZIL	45.9	53.4	99.3	40.6	48.5	89.1	39.0	63.9	102.9
CANADA	20.9	61.7	82.6	22.0	66.1	88.1	22.0	74.7	96.7
CHILE	2.2	7.1	9.3	2.2	7.1	9.3	2.6	8.2	10.8
COLOMBIA	4.0	0	4.0	4.0	0	4.0	4.0	0	4.0
CUBA	4.6	7.9	12.5	4.4	7.7	12.1	4.4	7.7	12.1
MEXICO	31.1	11.9	43.0	23.8	11.0	34.8	25.6	8.8	34.4
PERU	2.2	0	2.2	2.2	0	2.2	3.7	0	3.7
URUGUAY	1.3	0	1.3	2.2	0	2.2	2.2	0	2.2
VENEZUELA	2.6	0	2.6	3.3	0	3.3	4.2	0	4.2
TOTAL OTHER AMERICAS	118.3	142.0	260.3	108.4	140.4	248.8	111.7	166.6	278.3
JAPAN	265.7	570.6	836.3	257.5	597.4	854.9	244.3	587.7	832.0
CHINA, PRC	176.4	231.5	407.9	187.4	220.5	407.9	191.8	238.1	429.9
OTHER ASIA									
BANGLADESH	5.5	0	5.5	5.5	2.2	7.7	5.5	2.2	7.7
INDIA	107.1	116.4	223.5	101.9	154.1	256.0	91.9	220.7	312.6
INDONESIA	0	39.9	39.9	0	75.2	75.2	0	91.0	91.0
KOREA, REP. OF	21.8	12.8	34.6	28.4	0	28.4	28.2	0	28.2
PAKISTAN	5.5	0	5.5	6.0	0	6.0	6.8	0	6.8
TAIWAN	7.3	197.3	204.6	6.6	217.2	223.8	5.5	276.7	282.2
THAILAND	0	34.2	34.2	0	38.6	38.6	0	39.7	39.7
TOTAL OTHER ASIA	147.2	400.6	547.8	148.4	487.3	635.7	137.9	630.3	768.2
MIDDLE EAST, AFRICA & OCEANIA									
EGYPT	15.4	9.9	25.3	15.4	10.1	25.5	15.4	10.1	25.5
IRAQ	6.6	12.1	18.7	6.6	12.1	18.7	6.6	12.1	18.7
TOTAL M.E., A & O	22.0	22.0	44.0	22.0	22.2	44.2	22.0	22.2	44.2
TOTAL WORLD	2256.2	4238.0	6494.2	2292.9	4384.7	6677.6	2267.9	4552.8	6820.7

ACTUAL PRODUCTION						PRODUCING CAPACITY					
1985			1986			3/1987			12/1988		
Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
205.0	353.0	558.0	214.9	404.1	619.0	244.0	465.0	709.0	244.0	465.0	709.0
3.3	3.3	6.6	4.4	7.9	12.3	19.8	22.0	41.8	19.8	22.0	41.8
44.3	58.4	102.7	37.0	74.1	111.1	48.9	75.4	124.3	48.9	75.4	124.3
17.6	59.3	76.9	19.4	64.2	83.6	32.0	83.8	115.8	32.0	83.8	115.8
2.9	8.4	11.3	2.9	8.6	11.5	3.3	11.9	15.2	3.3	11.9	15.2
4.0	0	4.0	4.0	0	4.0	7.7	0	7.7	7.7	0	7.7
4.6	7.7	12.3	5.5	7.7	13.2	6.6	11.0	17.6	6.6	11.0	17.6
26.9	0	26.9	27.1	0	27.1	30.2	0	30.2	30.2	0	30.2
3.7	0	3.7	3.7	0	3.7	3.7	0	3.7	3.7	0	3.7
2.2	0	2.2	2.2	0	2.2	4.2	0	4.2	4.2	0	4.2
4.6	0	4.6	4.9	0	4.9	5.3	0	5.3	5.3	0	5.3
114.1	137.1	251.2	111.1	162.5	273.6	161.7	204.1	365.8	161.7	204.1	365.8
230.6	624.6	855.2	235.2	560.4	795.6	300.7	693.1	993.8	300.7	693.1	993.8
191.8	246.9	438.7	191.8	286.6	478.4	220.5	330.7	551.2	220.5	330.7	551.2
6.0	2.2	8.2	6.0	2.4	8.4	14.3	11.0	25.3	14.3	11.0	25.3
103.4	209.4	312.8	109.8	190.3	300.1	154.3	284.0	438.3	154.3	284.0	438.3
0	88.2	88.2	0	86.6	86.6	0	103.6	103.6	0	103.6	103.6
30.4	0	30.4	30.6	0	30.6	30.9	61.9	92.8	35.1	61.9	97.0
7.1	0	7.1	7.1	0	7.1	7.3	0	7.3	7.3	0	7.3
5.5	263.4	268.9	6.2	258.2	264.4	8.8	285.7	294.5	8.8	285.7	294.5
0	41.9	41.9	0	41.9	41.9	0	45.9	45.9	0	45.9	45.9
152.4	605.1	757.5	159.7	579.4	739.1	215.6	792.1	1007.7	219.8	792.1	1011.9
15.4	10.4	25.8	15.4	10.4	25.8	15.4	11.9	27.3	15.4	11.9	27.3
6.6	12.1	18.7	6.6	12.1	18.7	7.7	14.3	22.0	7.7	14.3	22.0
22.0	22.5	44.5	22.0	22.5	44.5	23.1	26.2	49.3	23.1	26.2	49.3
2260.9	4422.7	6683.6	2282.4	4295.9	6578.3	2692.2	5414.5	8106.7	2703.0	5421.1	8124.1

TABLE 5:
WORLDWIDE RAYON VS. ACETATE FILAMENT YARN PRODUCTION & PRODUCING CAPACITY BY COUNTRY
MILLION POUNDS

COUNTRY	ACTUAL PRODUCTION								
	1982			1983			1984		
	H	R&C	A	H	R&C	A	H	R&C	A
WESTERN EUROPE									
AUSTRIA	20	11	0	18	9	0	22	11	0
BELGIUM/NETHERLANDS	33	35	13	40	36	15	40	35	15
FRANCE	0	20	0	0	18	0	0	15	0
GERMANY, FED. REP.[a]	88	46	+	85	43	0	88	47	0
ITALY[a]	20	7	42	20	4	40	24	4	41
SPAIN	9	9	7	7	9	7	+	9	7
UNITED KINGDOM	0	0	53	0	0	55	0	0	47
OTHER[b]	0	20	0	0	18	0	0	15	0
TOTAL WESTERN EUROPE	170	148	115	170	137	117	174	136	110
EASTERN EUROPE									
BULGARIA	0	9	0	0	9	0	0	9	0
CZECHOSLOVAKIA	18	26	0	18	25	0	18	26	0
GERMANY, DEM. REP.	29	46	0	31	49	0	31	49	0
POLAND	9	33	0	9	31	0	11	33	0
ROMANIA	11	7	0	11	7	0	11	7	0
USSR[a]	353	176	120	357	183	122	364	186	126
YUGOSLAVIA[a]	13	15	0	15	15	0	15	15	0
TOTAL EASTERN EUROPE	433	312	120	441	319	122	450	325	126
U.S.A.[a]	20	13	195	23	13	228	29	12	198
OTHER AMERICAS									
ARGENTINA	0	0	4	0	0	4	0	0	4
BRAZIL	8	33	4	8	31	2	9	27	5
CANADA	0	0	23	0	0	23	0	0	23
CHILE	0	2	0	0	2	0	0	2	0
COLOMBIA	0	0	4	0	0	4	0	0	4
CUBA	4	+	0	4	+	0	4	0	0
MEXICO	7	11	13	7	4	13	4	7	13
PERU	0	0	2	0	0	2	0	0	4
URUGUAY	0	0	2	0	0	2	0	0	2
VENEZUELA	0	0	2	0	0	2	0	0	4
TOTAL OTHER AMERICAS	19	46	54	19	37	52	17	36	59
JAPAN[a]	8	183	75	7	180	71	4	172	68
CHINA, PRC	0	176	0	0	187	0	0	192	0
OTHER ASIA									
BANGLADESH	0	7	0	0	7	0	0	7	0
INDIA	25	79	4	21	77	2	18	71	2
KOREA, REP. OF	0	17	4	0	24	3	0	23	3
PAKISTAN	0	0	4	0	0	7	0	0	7
TAIWAN	0	7	0	0	7	0	0	7	0
TOTAL OTHER ASIA	25	110	12	21	115	12	18	108	12
OTHER M.E., A & O[c]	0	22	0	0	22	0	0	22	0
WORLD TOTAL	675	1010	571	681	1010	602	692	1003	573

H High tenacity (tire & industrial type) viscose rayon yarn.
R Regular + intermediate tenacity viscose rayon yarn.
C Cuprammonium rayon yarn.
A Acetate + triacetate yarn.
a. Produces both regular + intermediate rayon yarn and cuprammonium rayon yarn.
b. Comprises Finland, Greece, Portugal, Switzerland and Turkey.
c. Comprises Egypt and Iraq.

ACTUAL PRODUCTION						PRODUCING CAPACITY					
1985			1986			3/1987			12/1988		
H	R&C	A	H	R&C	A	H	R&C	A	H	R&C	A
22	11	0									
40	37	15									
0	15	0									
88	54	0									
24	4	41	DETAIL NO LONGER AVAILABLE			DETAIL NO LONGER AVAILABLE			DETAIL NO LONGER AVAILABLE		
+	9	7									
0	0	42									
0	18	0									
174	148	105	157	151	110	*187*	*186*	*122*	*194*	*186*	*122*
0	9	0	0	9	0	*0*	*11*	*0*	*0*	*11*	*0*
18	28	0	18	28	0	*24*	*31*	*0*	*24*	*31*	*0*
31	49	0	31	49	0	*33*	*53*	*0*	*33*	*53*	*0*
11	35	0	11	35	0	*20*	*51*	*0*	*20*	*51*	*0*
11	9	0	11	9	0	*13*	*9*	*0*	*13*	*9*	*0*
365	191	129	367	195	132	*375*	*220*	*154*	*375*	*220*	*154*
17	15	0	17	18	0	*18*	*20*	*0*	*18*	*20*	*0*
453	336	129	455	343	132	*483*	*395*	*154*	*483*	*395*	*154*
20	13	172	16	13	185	*51*	*13*	*180*	*51*	*13*	*180*
0	0	4	0	0	4	*0*	*13*	*7*	*0*	*13*	*7*
9	34	2	3	34	0	*11*	*36*	*4*	*11*	*36*	*4*
0	0	18	0	0	20	*0*	*0*	*32*	*0*	*0*	*32*
0	2	0	0	2	0	*0*	*2*	*0*	*0*	*2*	*0*
0	0	4	0	0	4	*0*	*0*	*7*	*0*	*0*	*7*
4	0	0	7	0	0	*7*	*0*	*0*	*7*	*0*	*0*
7	7	13	7	7	13	*7*	*9*	*15*	*7*	*9*	*15*
0	0	4	0	0	4	*0*	*0*	*4*	*0*	*0*	*4*
0	0	2	0	0	2	*0*	*0*	*4*	*0*	*0*	*4*
0	0	4	0	0	4	*0*	*0*	*4*	*0*	*0*	*4*
20	43	51	17	43	51	*25*	*60*	*77*	*25*	*60*	*77*
4	154	63	4	170	61	*22*	*202*	*76*	*22*	*202*	*76*
0	192	0	0	192	0	*0*	*220*	*0*	*0*	*220*	*0*
0	7	0	0	7	0	*0*	*13*	*0*	*0*	*13*	*0*
15	87	+	12	97	+	*46*	*101*	*8*	*46*	*101*	*8*
0	26	3	0	26	4	*0*	*28*	*4*	*0*	*32*	*4*
0	0	7	0	0	7	*0*	*0*	*7*	*0*	*0*	*7*
0	7	0	0	7	0	*0*	*9*	*0*	*0*	*9*	*0*
15	127	10	12	137	11	*46*	*151*	*19*	*46*	*155*	*19*
0	22	0	0	22	0	*0*	*23*	*0*	*0*	*23*	*0*
686	1045	530	661	1071	550	*814*	*1250*	*628*	*821*	*1254*	*628*

TABLE 6:
WORLDWIDE NONCELLULOSIC FIBER PRODUCTION & PRODUCING CAPACITY BY FIBER EXCEPT OLEFIN
MILLION POUNDS

FIBER & AREA	ACTUAL PRODUCTION 1982 Y	1982 S	1982 TOTAL	1983 Y	1983 S	1983 TOTAL	1984 Y	1984 S	1984 TOTAL
ACRYLIC+MODACRYLIC									
WEST EUROPE	0	1598	1598	0	1839	1839	2	1907	1909
EAST EUROPE	0	470	470	0	490	490	0	511	511
U.S.A.	0	624	624	0	670	670	0	670	670
OTHER AMERICAS	0	267	267	0	287	287	0	309	309
JAPAN	7	758	765	4	782	786	4	809	813
CHINA, PRC	0	146	146	0	150	150	0	152	152
OTHER ASIA	0	631	631	0	646	646	0	690	690
MIDDLE EAST, AFRICA & OCEANIA	0	37	37	0	42	42	0	35	35
TOTAL	7	4531	4538	4	4906	4910	6	5083	5089
NYLON+ARAMID [a]									
WEST EUROPE	1025	236	1261	1071	258	1329	1092	292	1384
EAST EUROPE	1008	179	1187	1069	192	1261	1128	205	1333
U.S.A.	1241	686	1927	1493	923	2416	1578	836	2414
OTHER AMERICAS	401	46	447	397	49	446	461	49	510
JAPAN	581	42	623	599	40	639	635	42	677
CHINA, PRC	88	0	88	98	0	98	126	2	128
OTHER ASIA	653	7	660	677	7	684	756	7	763
MIDDLE EAST, AFRICA & OCEANIA	95	2	97	103	4	107	115	2	117
TOTAL	5092	1198	6290	5507	1473	6980	5891	1435	7326
POLYESTER									
WEST EUROPE	866	944	1810	853	1001	1854	959	1074	2033
EAST EUROPE	335	765	1100	376	822	1198	428	860	1288
U.S.A.	1213	1952	3165	1361	2185	3546	1199	2191	3390
OTHER AMERICAS	410	348	758	445	417	862	497	489	986
JAPAN	692	693	1385	683	705	1388	722	706	1428
CHINA, PRC	32	456	488	33	485	518	86	707	793
OTHER ASIA	1075	1281	2356	1279	1472	2751	1528	1684	3212
MIDDLE EAST, AFRICA & OCEANIA	75	115	190	93	133	226	102	164	266
TOTAL	4698	6554	11252	5123	7220	12343	5521	7875	13396
OTHER FIBERS EXCEPT OLEFIN [b]									
WEST EUROPE	13	20	33	13	20	33	13	20	33
EAST EUROPE	2	7	9	0	7	7	2	4	6
U.S.A.	18	2	20	+	+	+	+	+	+
OTHER AMERICAS	2	0	2	2	0	2	2	0	2
JAPAN	29	68	97	31	62	93	37	64	101
CHINA, PRC	15	110	125	15	122	137	15	154	169
OTHER ASIA	+	0	+	+	0	+	+	0	+
MIDDLE EAST, AFRICA & OCEANIA	0	0	0	0	0	0	0	0	0
TOTAL	79	207	286	61	211	272	69	242	311
TOTAL FIBERS ABOVE									
WEST EUROPE	1904	2798	4702	1937	3118	5055	2066	3293	5359
EAST EUROPE	1345	1421	2766	1446	1511	2957	1558	1580	3138
U.S.A.	2472	3264	5736	2852	3781	6633	2777	3697	6474
OTHER AMERICAS	813	661	1474	845	750	1595	960	847	1807
JAPAN	1309	1561	2870	1317	1589	2906	1398	1621	3019
CHINA, PRC	135	712	847	146	757	903	227	1015	1242
OTHER ASIA	1728	1919	3647	1956	2125	4081	2284	2381	4665
MIDDLE EAST, AFRICA & OCEANIA	170	154	324	196	179	375	217	201	418
WORLD TOTAL	9876	12490	22366	10695	13810	24505	11487	14635	26122

Y Yarn+monofilaments.
S Staple+tow+fiberfill.
\+ Nominal quantities.
a. U.S.A. nylon producing capacity data do not include aramid.
b. Other fibers are alginate, azlon, spandex or elastomer, saran, TFE-fluorocarbon, vinal and vinyon. U.S.A. production data do not include spandex in 1983 through 1986.
c. Based on 1986 production and an average March 1986 and March 1987 producing capacity. Refer to July 1986 *Organon* for March 1986 producing capacity.

The regional totals here are the same as those on pages 166-169.

ACTUAL PRODUCTION						PRODUCING CAPACITY						% UTILIZATION [c]	
1985			1986			3/1987			12/1988				
Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S
2	2039	2041	2	2059	2061	2	2328	2330	2	2328	2330	100.0	89.9
0	575	575	0	637	637	0	798	798	0	842	842	0	82.1
0	631	631	0	615	615	0	646	646	0	657	657	0	97.0
0	298	298	0	313	313	0	441	441	0	448	448	0	71.4
4	838	842	7	869	876	13	937	950	13	937	950	50.0	92.7
0	161	161	0	165	165	0	265	265	0	265	265	0	63.8
0	708	708	0	728	728	0	937	937	0	963	963	0	63.9
0	49	49	0	51	51	0	62	62	0	62	62	0	82.1
6	5299	5305	9	5437	5446	15	6414	6429	15	6502	6517	57.5	83.7
1160	317	1477	1153	317	1470	1452	425	1877	1456	425	1881	80.5	75.1
1185	209	1394	1204	220	1424	1429	249	1678	1436	249	1685	84.9	90.1
1515	827	2342	1605	908	2513	1852	1102	2954	1909	1146	3055	87.6	84.7
492	35	527	514	37	551	776	95	871	796	95	891	66.3	40.0
643	53	696	573	42	615	728	64	792	729	64	793	79.1	65.5
154	2	156	154	2	156	198	11	209	198	11	209	77.8	20.0
807	9	816	849	9	858	1199	13	1212	1244	13	1257	69.5	48.8
122	4	126	123	4	127	242	7	249	241	7	248	52.6	86.9
6078	1456	7534	6175	1539	7714	7876	1966	9842	8009	2010	10019	79.0	79.2
1001	1071	2072	983	1105	2088	1252	1327	2579	1268	1340	2608	78.7	83.4
478	1004	1482	542	1058	1600	780	1448	2228	798	1473	2271	72.8	74.5
1321	2021	3342	1173	2134	3307	1352	2452	3804	1351	2432	3783	81.1	80.8
503	491	994	532	519	1051	745	663	1408	743	663	1406	69.5	79.8
725	713	1438	710	683	1393	977	785	1762	963	785	1748	73.5	87.1
161	977	1138	177	1158	1335	234	1433	1667	234	1433	1667	83.3	87.5
1836	1899	3735	2110	2238	4348	2875	2978	5853	3302	3297	6599	73.1	73.3
110	174	284	115	176	291	198	244	442	203	265	468	58.6	60.1
6135	8350	14485	6342	9071	15413	8413	11330	19743	8862	11688	20550	75.1	79.8
13	20	33	11	20	31	18	26	44	15	26	41	62.5	75.0
2	9	11	2	9	11	2	18	20	2	18	20	100.0	47.1
+	+	+	+	+	+	31	0	31	31	0	31	0	0
2	0	2	2	0	2	2	0	2	2	0	2	50.0	0
51	66	117	51	66	117	90	227	317	90	227	317	63.0	29.1
22	176	198	22	154	176	33	165	198	33	165	198	66.7	93.3
+	0	+	+	0	+	2	0	2	2	0	2	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
90	271	361	88	249	337	178	436	614	175	436	611	51.4	58.1
2176	3447	5623	2149	3501	5650	2722	4106	6828	2741	4119	6860	79.9	85.7
1665	1797	3462	1748	1924	3672	2211	2513	4724	2236	2582	4818	80.4	78.2
2836	3479	6315	2778	3657	6435	3248	4200	7448	3291	4235	7526	81.0	81.2
997	824	1821	1048	869	1917	1523	1199	2722	1541	1206	2747	68.1	73.5
1423	1670	3093	1341	1660	3001	1795	2013	3808	1795	2013	3808	75.2	82.5
337	1316	1653	353	1479	1832	465	1874	2339	465	1874	2339	79.6	84.1
2643	2616	5259	2959	2975	5934	4076	3928	8004	4548	4273	8821	72.0	71.2
232	227	459	238	231	469	440	313	753	444	334	778	55.2	69.2
12309	15376	27685	12614	16296	28910	16480	20146	36626	17061	20636	37697	74.7	79.4

TABLE 7:
WORLDWIDE GLASS FIBER PRODUCTION & PRODUCING CAPACITY
MILLION POUNDS

COUNTRY	PRODUCTION					CAPACITY	
	1982	1983	1984	1985	1986	3/87	12/88
WEST EUROPE	551	639	661	705	802	*849*	*849*
EAST EUROPE[a]						*198*	*198*
U.S.A.	899	1168	1393	1345	1389	*1746*	*1812*
OTHER AMERICIAS	77	82	86	71	77	*99*	*99*
JAPAN	437	454	549	602	529	*661*	*661*
MIDDLE EAST, AFRICA & OCEANIA[b]	26	31	31	62	66	*88*	*88*
TOTAL ABOVE	1990	2374	2720	2785	2863	*3641*	*3707*
CHINA P.R.C.	66	66	88	110	110	*154*	*154*
U.S.S.R.	143	143	165	187	220	*331*	*441*

Glass fiber is defined on page 122 of the June 1987 ***Organon***. The glass fiber producing capacity, is based on March 1987 and December 1988 annual projections.

a. The data for East Europe do not include estimates for the U.S.S.R.
b. The Middle East, Africa & Oceania countries are Australia, India and South Africa.

TABLE 8:
ESTIMATED WORLDWIDE CIGARETTE TOW PRODUCTION
MILLION POUNDS

AREA	1982	1983	1984	1985	1986
EUROPE[a]	179	176	176	183	229
U.S.A.					
OTHER AMERICAS[b]	476	465	412	463	476
ASIA[c]	93	95	104	97	93
WORLD TOTAL	748	736	692	743	798

a. Belgium,Germany, Fed. Rep., U.S.S.R. & United Kingdom.
b. Brazil, Canada, Colombia, Mexico & Venezuela.
c. Japan and Korea, Rep.of.

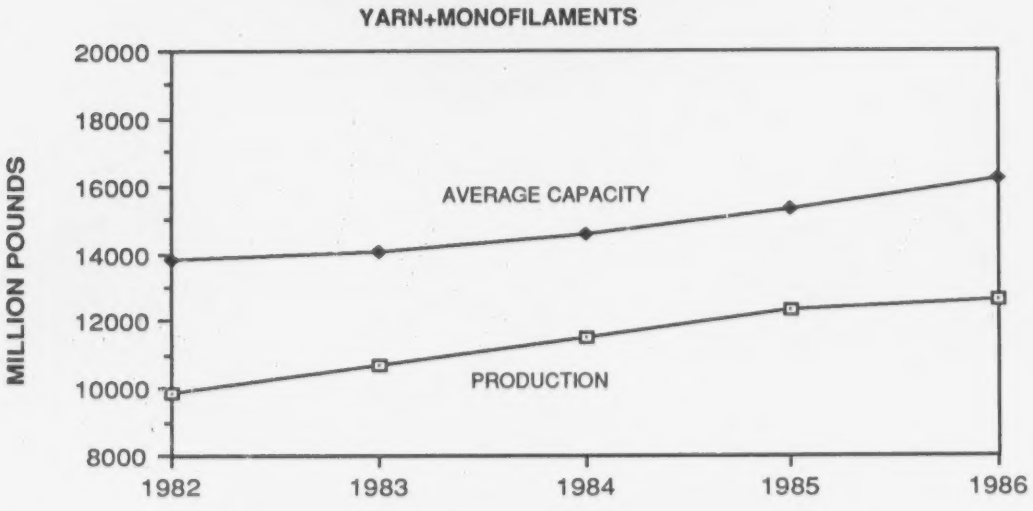
TABLE 9:
WORLDWIDE OLEFIN FIBER PRODUCTION
MILLION POUNDS

COUNTRY	1982	1983	1984	1985	1986
WEST EUROPE					
AUSTRIA	42	44	46	66	77
BENELUX	161	165	214	265	271
DENMARK	29	31	31	55	62
FINLAND	7	9	31	53	53
FRANCE	57	64	64	110	117
GREECE/CYPRUS	20	22	24	31	31
GERMANY, FED. REP.	121	134	179	249	258
IRELAND	18	20	20	20	20
ITALY	130	148	201	280	287
NORWAY	9	11	9	9	9
PORTUGAL	84	86	86	88	90
SPAIN	79	79	82	82	84
SWEDEN	7	9	9	13	15
SWITZERLAND	7	9	18	31	33
TURKEY	11	13	13	13	13
UNITED KINGDOM	168	176	176	198	209
TOTAL WEST EUROPE	950	1020	1203	1563	1629
EAST EUROPE					
CZECHOSLOVAKIA	24	26	26	26	26
HUNGARY	35	35	35	37	37
POLAND	26	33	35	35	37
U.S.S.R.	31	40	44	49	53
U.S.A.					
YARN+MONOFIL	295	370	386	423	470
STAPLE	139	190	249	302	335
FILM FIBER	289	328	340	514	580
OTHER AMERICAS					
ARGENTINA	24	26	26	29	29
BRAZIL	86	79	86	86	88
CANADA	62	71	66	71	73
CHILE	2	2	2	2	2
EL SALVADOR, GUATEMALA, HONDURAS	4	7	7	7	7
MEXICO	51	57	57	57	57
NICARAGUA	2	2	2	2	2
PERU	13	13	13	13	15
URUGUAY	2	4	4	4	4
JAPAN					
YARN+MONOFIL	31	31	31	31	24
STAPLE	62	64	71	77	82
FILM FIBER	NA	NA	NA	NA	NA
OTHER ASIA					
KOREA, REP. OF	4	2	2	2	0
PHILIPPINES	7	7	7	7	7
TAIWAN	123	132	139	157	170
MIDDLE EAST, AFRICA & OCEANIA					
AUSTRALIA	42	47	49	51	55
SOUTH AFRICA	7	11	11	11	11
OTHER	+	2	2	2	2

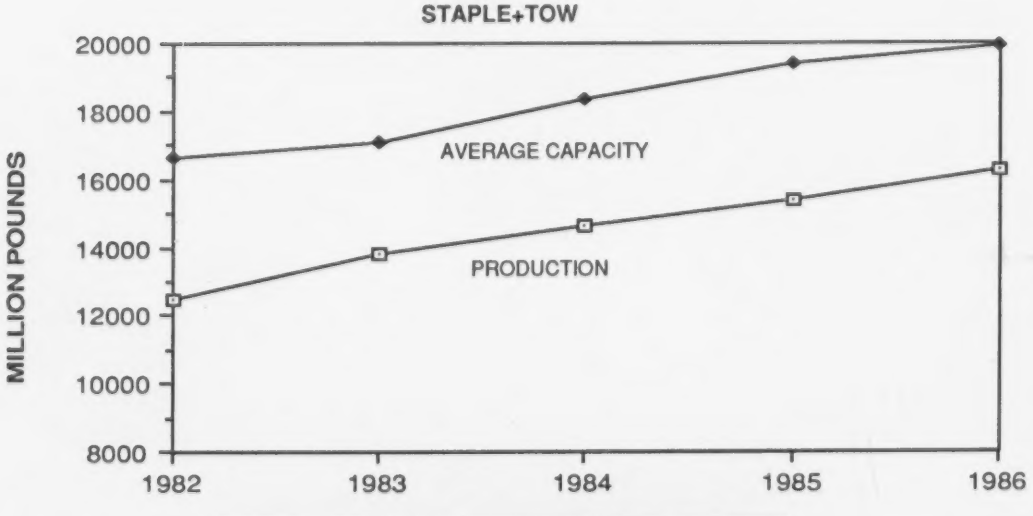
The olefin data shown include the "official" country data published by a government, an association or other statistical agency as well as an estimate of the olefin fiber, mainly slit and split film fiber, believed to have been produced in the country. For example: although U.S. olefin production data include yarn, monofil, staple, film fiber, and spunbonded polypropylene, published Italian and Japanese olefin data show the production of yarn+monofilaments and staple+tow but no data on production of film fiber, such as that used in sacks, fishing nets, and carpet backing. Estimates were made in the latter example.

Due to the inconsistencies in olefin production reporting, we have made no attempt to show a worldwide total.

GRAPH 3:
WORLDWIDE NONCELLULOSIC FIBER PRODUCTION & PRODUCING CAPACITY



YEAR	PRODUCTION	AVERAGE CAPACITY[a]
1982	9876	13802
1983	10695	14071
1984	11487	14534
1985	12309	15332
1986	12614	16172

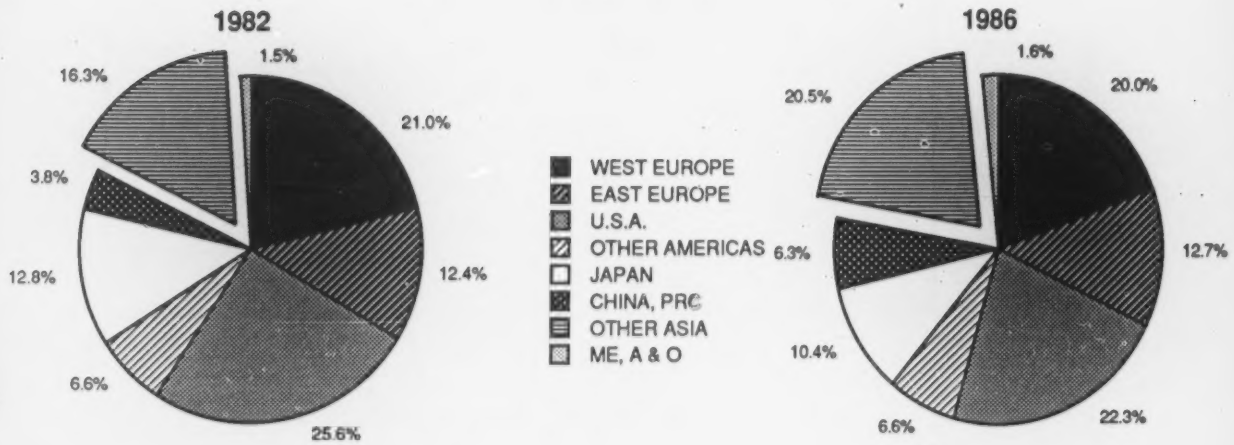


YEAR	PRODUCTION	AVERAGE CAPACITY[a]
1982	12490	16659
1983	13810	17121
1984	14635	18339
1985	15376	19420
1986	16296	19922

a. For example, 1982 capacity is based on an average March 1982 and March 1983 producing capacity.

GRAPH 4:
PERCENT SHARE OF WORLDWIDE NONCELLULOSIC FIBER PRODUCTION & PRODUCING CAPACITY BY AREA

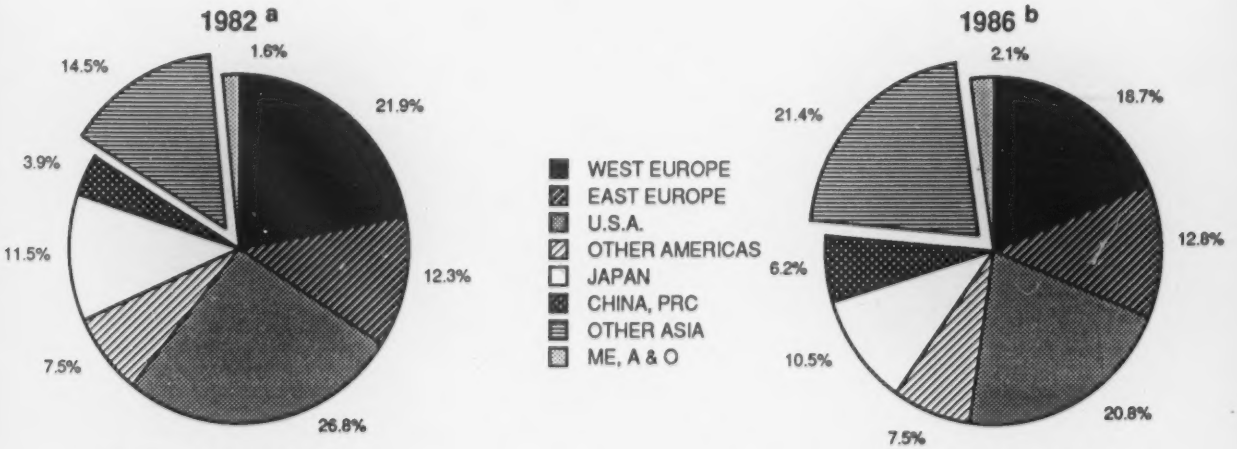
PRODUCTION



TOTAL: 22,366 MM LBS

TOTAL: 28,910 MM LBS

PRODUCING CAPACITY



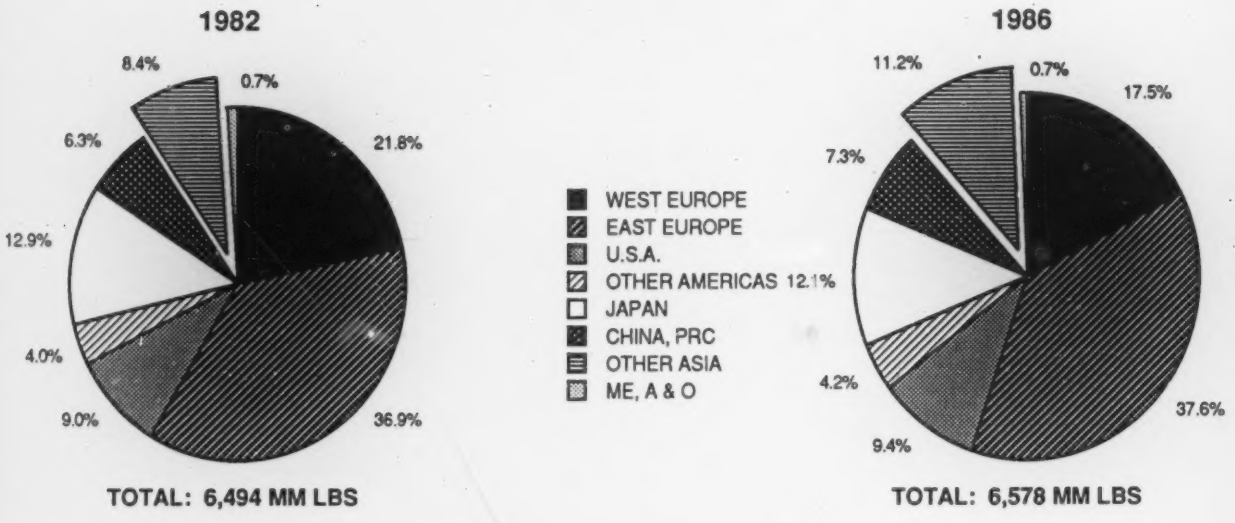
TOTAL: 30,461 MM LBS

TOTAL: 36,091 MM LBS

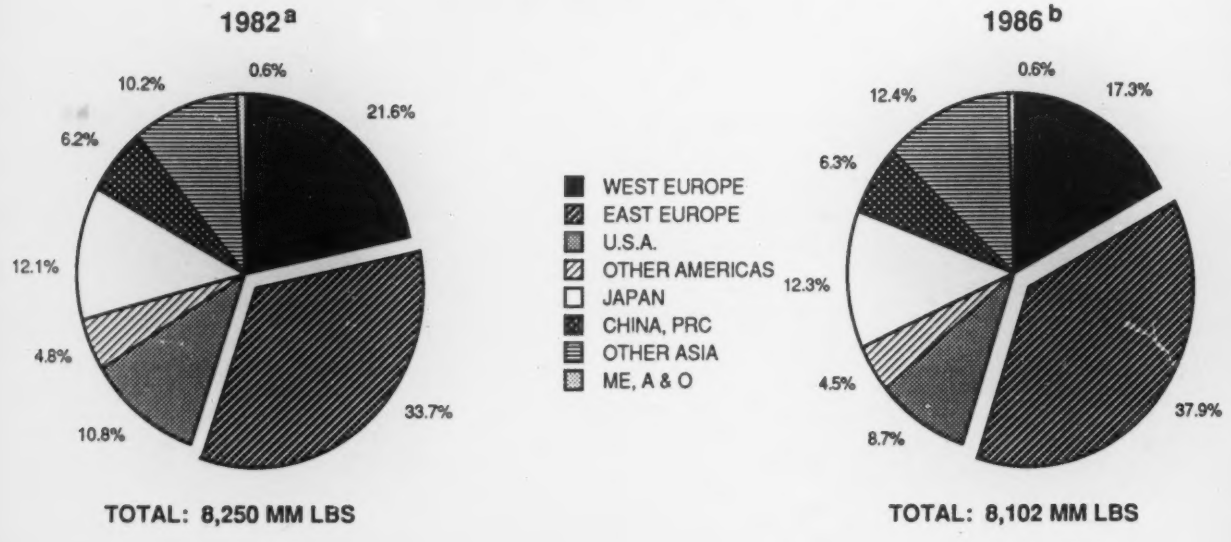
a. Based on an average March 1982 and March 1983 producing capacity.
b. Based on an average March 1986 and March 1987 producing capacity.

GRAPH 5:
PERCENT SHARE OF WORLDWIDE CELLULOSIC FIBER PRODUCTION & PRODUCING CAPACITY BY AREA

PRODUCTION

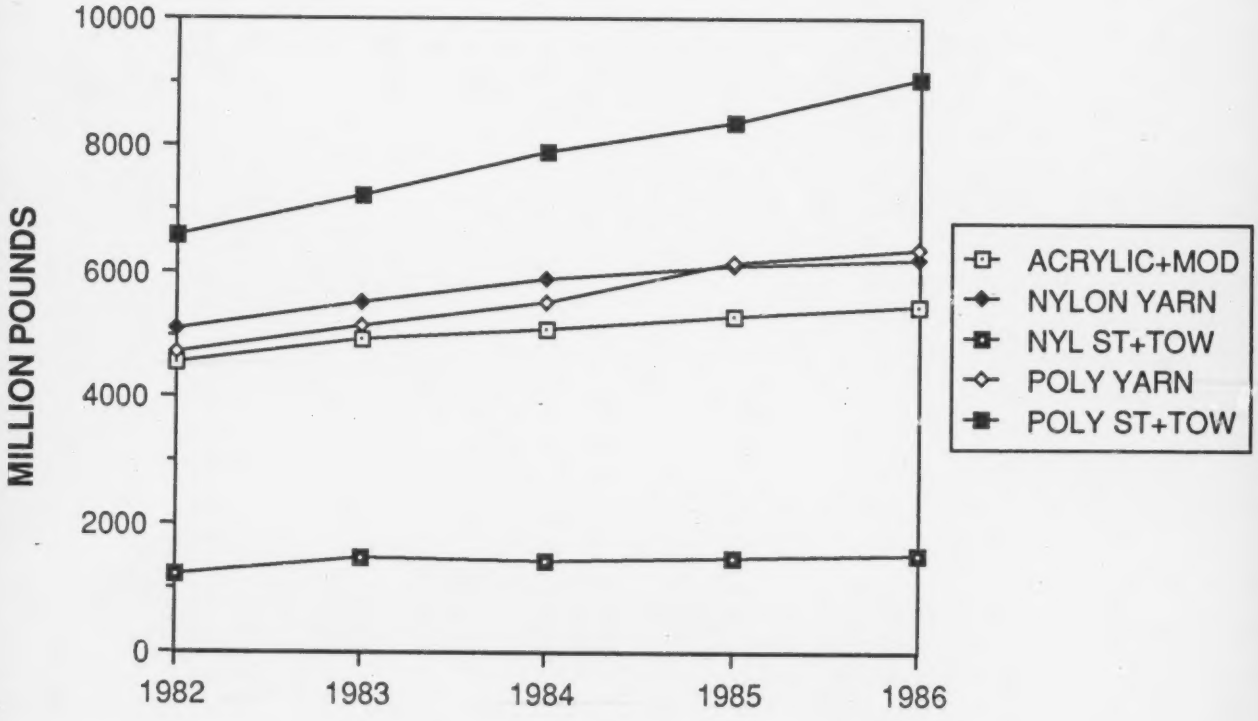


PRODUCING CAPACITY



a. Based on an average March 1982 and March 1983 producing capacity.
b. Based on an average March 1986 and March 1987 producing capacity.

GRAPH 6:
WORLDWIDE PRODUCTION OF SELECTED NONCELLULOSIC FIBERS
1982-1986



- SURGE IN U.S. MAN-MADE FIBER IMPORTS - - UP 11.2%
- MAN-MADE FIBER TRADE BALANCE DECLINES 9.7% TO 146.3 MILLION POUNDS

In the first five months of 1987, man-made fiber imports grew 11.2% to 165.6 million pounds from the 148.9 million pounds imported in January-May 1986. The export position was essentially unchanged at 312 million pounds.

Imports of noncellulosic yarn+monofilaments for the first five months of 1987 show a significant increase of 27.1% to 54.9 million pounds. These imports were only 43.2 million pounds during the same period last year. Noncellulosic staple+tow imports increased 5.5% to 78.9 million pounds.

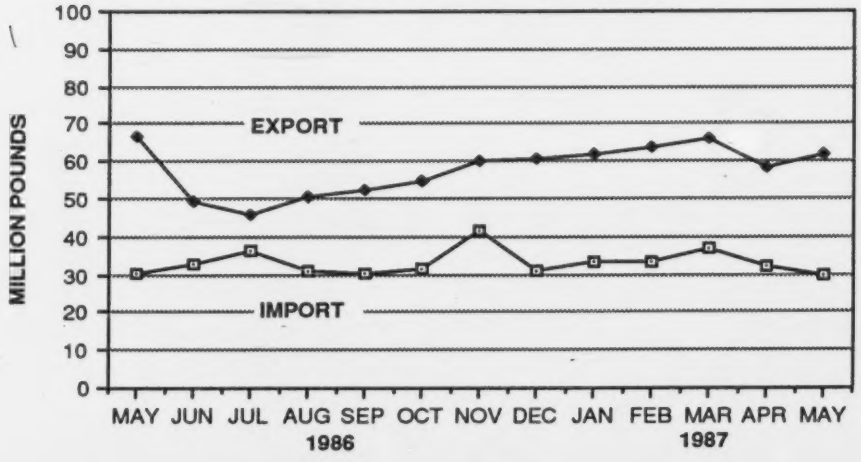
Textured nylon yarn and polyester staple+tow were both major contributors to the increase, with textured nylon imports 66.3% ahead of January-May imports a year ago - - 14.3 million pounds vs. 8.6 million pounds. Essentially all the textured nylon imports were in the over 450 denier category.

Another major import gain was registered by polyester staple+tow which rose 81.8% to 26.9 million pounds from last year's January-May 14.8 million pound level.

MAJOR SUPPLIERS OF NONCELLULOSIC FIBER - JANUARY-MAY 1987
MILLION POUNDS & *PERCENT CHANGE* FROM JAN-MAY '86

	YARN+MONOFILAMENTS			STAPLE+TOW	
	MM LBS	% CHANGE		MM LBS	% CHANGE
Germany, Fed. Rep.	10.7	+64.6%	Canada	13.9	+41.8%
Mexico	9.3	+126.8%	Japan	9.8	+12.6%
Canada	7.9	+54.9%	Taiwan	9.3	+3.3%
Italy	5.6	+24.4%	Mexico	7.8	+30.0%

GRAPH 7:
IMPORTS VS. EXPORTS OF MAN-MADE FIBER



GRAPH 8:
MAN-MADE FIBER MONTHLY TRADE BALANCE

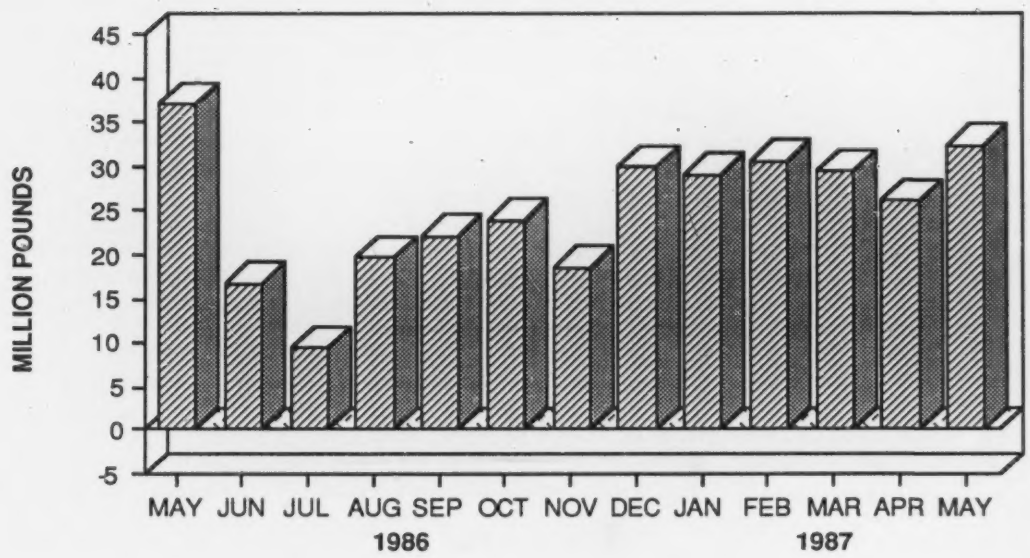


TABLE 10:
MAN-MADE FIBER MONTHLY TRADE BALANCE
MILLION POUNDS

	CELLULOSIC YARN & MONOFIL			CELLULOSIC STAPLE+TOW			NONCELLULOSIC YARN & MONOFIL			NONCELLULOSIC STAPLE+TOW			CELLULOSIC WASTE			NONCELLULOSIC WASTE			TOTAL		
1986	IMP	EXP	BAL	IMP	EXP	BAL	IMP	EXP	BAL	IMP	EXP	BAL	IMP	EXP	BAL	IMP	EXP	BAL	IMP	EXP	BAL
JANUARY	1.4	0.5	-0.9	1.6	2.4	+0.8	8.3	28.9	+20.6	16.0	25.2	+9.2	+	0.1	+0.1	3.4	8.5	+5.1	30.7	65.6	+34.9
FEBRUARY	1.3	0.5	-0.8	1.1	2.6	+1.5	8.4	24.1	+15.7	14.9	27.0	+12.1	0	0.2	+0.2	3.9	11.9	+8.0	29.6	66.3	+36.7
MARCH	1.4	0.7	-0.7	1.5	5.5	+4.0	8.8	23.3	+14.5	15.1	20.7	+5.6	+	0.2	+0.2	3.4	9.6	+6.2	30.2	60.0	+29.8
APRIL	1.6	0.7	-0.9	1.4	1.0	-0.4	7.3	20.9	+13.6	14.6	18.6	+4.0	+	0.3	+0.3	3.5	11.7	+8.2	28.4	53.2	+24.8
MAY	2.0	0.8	-1.2	1.2	2.6	+1.4	9.9	29.9	+20.0	14.1	22.7	+8.6	+	0.1	+0.1	3.3	10.3	+7.0	30.5	66.4	+35.9
JUNE	1.3	0.6	-0.7	1.3	1.7	+0.4	12.3	19.4	+7.1	14.2	18.2	+4.0	+	0.2	+0.2	3.7	9.4	+5.7	32.8	49.5	+16.7
JULY	1.2	0.6	-0.6	1.7	3.2	+1.5	13.0	19.5	+6.5	16.6	17.8	+1.2	0	0.1	+0.1	3.9	4.8	+0.9	36.4	46.0	+9.6
AUGUST	1.2	0.4	-0.8	1.5	3.0	+1.5	11.2	17.8	+6.6	14.7	18.2	+3.5	0	0.4	+0.4	2.3	10.7	+8.4	30.9	50.5	+19.6
SEPTEMBER	1.3	0.8	-0.5	1.7	1.6	-0.1	9.4	17.7	+8.3	14.6	21.1	+6.5	+	0.1	+0.1	3.3	11.1	+7.8	30.3	52.4	+22.1
OCTOBER	1.3	0.7	-0.6	1.7	3.3	+1.6	11.5	16.1	+4.6	14.8	23.6	+8.8	+	0.4	+0.4	2.5	10.7	+8.2	31.8	54.8	+23.0
NOVEMBER	1.7	0.5	-1.2	1.8	3.8	+2.0	14.3	17.8	+3.5	19.6	23.2	+3.6	0	0.2	+0.2	4.1	14.5	+10.4	41.5	60.0	+18.5
DECEMBER	1.2	0.5	-0.7	0.9	1.9	+1.0	11.4	20.2	+8.8	14.3	27.5	+13.2	0	+	+	3.0	10.5	+7.5	30.8	60.6	+29.8
TOTAL	16.9	7.3	-9.6	17.4	32.6	+15.2	125.8	255.6	+129.8	193.5	263.8	+80.3	+	2.3	+2.3	40.3	123.7	+83.4	383.9	685.3	+301.4
1987																					
JANUARY	1.3	0.5	-0.8	1.0	4.0	+3.0	10.4	17.6	+7.2	16.8	32.4	+15.6	0	0.2	+0.2	3.8	7.5	+3.7	33.3	62.2	+28.9
FEBRUARY	0.8	0.5	-0.3	1.4	1.8	+0.4	11.8	18.7	+6.9	15.5	32.1	+16.6	0	0.2	+0.2	3.7	10.2	+6.5	33.2	63.5	+30.3
MARCH	0.9	0.8	-0.1	1.7	3.3	+1.6	11.9	18.9	+7.0	17.0	30.1	+13.2	0	+	+	5.5	13.0	+7.5	37.0	66.1	+29.1
APRIL	1.0	0.5	-0.5	1.4	2.8	+1.4	11.5	17.3	+5.8	14.9	28.0	+13.1	+	0.1	+0.1	3.4	9.4	+5.9	32.2	58.1	+25.9
MAY	0.8	0.7	-0.1	1.1	2.8	+1.7	9.3	19.9	+10.6	14.7	29.0	+14.3	0	0.1	+0.1	4.1	9.6	+5.5	30.0	62.1	+32.1

SOURCES: The fiber import and export data are from the U.S. Bureau of the Census (Reports IM145X and EM522).
+ Net export balance.
- Net import balance.

TABLE 11:
SELECTED U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION BY COUNTRY OF ORIGIN
THOUSAND POUNDS

ITEMS & COUNTRY	1987 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR TO DATE 1987	1986
CELLULOSIC YARN, MONOFIL & STRIPS														
BRAZIL	86	29	0	28	54								197	191
CANADA	425	368	175	323	285								1576	1846
GERMANY, FED. REP.	442	229	561	363	332								1927	2165
JAPAN	209	10	39	39	6								303	246
KOREA, REP. OF	1	0	0	0	0								1	300
MEXICO	3	15	10	102	28								158	257
NETHERLANDS	101	43	105	147	38								434	810
ALL OTHER COUNTRIES [a]	0	141	1	43	43								228	802
TOTAL CELLULOSIC YARN	1267	835	891	1045	786								4824	6617
CELLULOSIC STAPLE+TOW														
AUSTRIA	0	40	0	0	0								40	523
CANADA	749	1188	1356	1230	841								5364	4194
JAPAN	59	166	168	18	98								511	562
MEXICO	0	0	0	0	0								0	583
UNITED KINGDOM	46	5	73	24	0								148	335
ALL OTHER COUNTRIES [b]	131	23	63	106	150								473	611
TOTAL CELLULOSIC STAPLE+TOW	985	1424	1660	1378	1089								6536	6808
NONCELLULOSIC YARN, MONOFIL & STRIPS														
AUSTRALIA	4	19	17	5	12								57	57
AUSTRIA	0	17	6	5	+								28	389
BELGIUM	1408	1377	559	560	653								4557	4330
CANADA	890	1976	1613	1605	1802								7886	5100
COSTA RICA	729	515	642	589	590								3065	2603
FRANCE	686	685	659	648	306								2984	2515
GERMANY, FED. REP.	1744	2397	2421	2740	1373								10675	6480
IRELAND	81	58	0	0	106								245	135
ISRAEL	162	233	90	249	321								1055	1411
ITALY	1202	866	1292	1254	940								5554	4455
JAPAN	964	570	670	661	525								3390	3806
MEXICO	1167	2037	2527	1939	1660								9330	4127
NETHERLANDS	93	184	151	99	61								588	577
ROMANIA	32	0	25	24	0								81	135
SOUTH AFRICA	88	0	0	0	0								88	3447
SWITZERLAND	253	+	64	2	9								328	375
TAIWAN	14	2	63	46	34								159	377
UNITED KINGDOM	735	39	844	894	483								2995	2196
ALL OTHER COUNTRIES [c]	172	785	253	174	416								1800	722
TOTAL NONCELLULOSIC YARN	10424	11760	11896	11494	9291								54865	43237
NONCELLULOSIC STAPLE+TOW														
AUSTRALIA	0	0	0	0	0								0	235
BELGIUM	21	36	18	18	53								146	224
BRAZIL	0	438	236	379	262								1315	117
CANADA	3125	3071	3201	2248	2236								13881	9770
FRANCE	955	588	532	585	520								3180	4613
GERMANY, FED. REP.	2586	2611	2194	2463	1766								11620	14383
IRELAND	109	0	0	0	0								109	82
ISRAEL	62	0	31	0	291								384	279
ITALY	2265	1616	2200	980	344								7405	6735
JAPAN	1849	1623	2230	2472	1577								9751	8653
KOREA, REP. OF	935	844	655	614	1247								4295	1829
MEXICO	1586	1554	1784	824	2080								7828	5989
ROMANIA	372	86	590	88	516								1652	894
SOUTH AFRICA	0	0	0	0	0								0	246
SWITZERLAND	71	139	198	89	17								514	296
TAIWAN	1911	1487	1338	2580	1985								9301	9036
UNITED KINGDOM	777	1280	1522	1264	1635								6478	10381
ALL OTHER COUNTRIES [d]	133	108	265	344	228								1078	1031
TOTAL NONCELLULOSIC STAPLE+TOW	16757	15481	16994	14948	14757								78937	74793

\+ Nominal quantity.
Other countries supplying 1987 quantities are:

a. Austria 223, France 3, Belgium 1, United Kingdom 1.

b. Italy 259, Sweden 180, Germany, Fed. Rep. 23, France 7, Finland 3, Belgium 1.

c. Yugoslavia 596, China, PRC 361, Singapore 204, Korea, Rep. of 164, Denmark 125, Argentina 69, Finland 61, Spain 59, Turkey 39, Morocco 33, Norway 32, Philippines 27, Chile 14, Sweden 6, Thailand 4, Brazil 3, Greece 1, Guatemala 1, Iceland 1, Hong Kong.

d. Austria 406, Malaysia 325, Denmark 133, Costa Rica 91, Hong Kong 50, Turkey 37, China,PRC 17, Netherlands 16, Portugal 2, Sweden 1, Philippines.

TABLE 12:
U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION

THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1/1/87	1987 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR TO DATE 1987	1986
CELLULOSIC FIBERS															
YARN - SINGLES															
TEXTURED	310.0106 & .0206	29	139	0	45	57								270	210
OTHER	310.0130 & .0230[a]	1237	691	891	1000	729								4548	5923
MONOFILAMENTS	309.0310 & .0610	0	5	0	0	0								5	15
STRIPS, $1/LB & UNDER	309.2000*	1	0	0	0	0								1	469
SUBTOTAL ABOVE		**1267**	**835**	**891**	**1045**	**786**								**4824**	**6617**
STAPLE	309.4320 & .4325	867	1402	1569	1336	1072								6246	6336
GROUPED FILAMENTS	309.3010 & .3310	118	22	91	42	17								290	472
SUBTOTAL ABOVE		**985**	**1424**	**1660**	**1378**	**1089**								**6536**	**6808**
WASTE, ADVANCED&NOT ADVANCED	309.6615 & .7510	**0**	**0**	**0**	**7**	**0**								**7**	**33**
NONCELLULOSIC FIBERS															
YARN - SINGLES															
TEXTURED - NYLON															
LESS THAN 450	310.0107 & .0207	142	163	113	123	147								688	1235
MORE THAN 450	310.0108 & .0208	2592	2933	3169	3131	1822								13647	7349
- POLYESTER	310.0110 & .0210	1000	2243	1670	1399	1016								7328	5537
- OTHER	310.0114 & .0214	1876	2010	1396	1300	1785								8367	7670
OTHER - NYLON	310.0149 & .0249	2008	2121	2350	2348	1695								10522	7640
- POLYESTER	310.0150 & .0250	1918	1327	2088	2006	1590								8929	10042
- OTHER	310.0170 & .0270[b]	417	486	610	680	713								2906	1949
MONOFILAMENTS	309.0200 & .0330[c]	272	281	265	263	354								1435	1212
STRIPS, OVER $1/LB	309.2100 & .2500*	199	196	235	244	169								1043	603
SUBTOTAL ABOVE		**10424**	**11760**	**11896**	**11494**	**9291**								**54865**	**43237**
STAPLE - NYLON	309.4331 & .4351	5346	4106	5357	3521	2137								20467	19283
- POLYESTER	309.4336 & .4361	5335	5030	5122	4833	6596								26916	14848
- ACRYLIC	309.4366	1216	839	1202	1285	1073								5615	5926
- OLEFIN	309.4371	2	153	42	38	21								256	1129
- OTHER	309.4341 & .4390	479	1269	1233	1011	918								4910	9587
GROUPED FILAMENTS															
NYLON	309.3030 & .3200	3012	2523	2383	2409	2436								12763	16460
POLYESTER	309.3040 & .3340	367	279	441	383	260								1730	782
ACRYLIC	309.3050 & .3350	861	1144	1073	1290	1015								5383	5444
OTHER	309.3065 & .3365	139	138	141	178	301								896	1334
SUBTOTAL ABOVE		**16757**	**15481**	**16994**	**14948**	**14757**								**78936**	**74793**
WASTE, NOT ADVANCED															
- NYLON	309.6625	2279	2182	3100	1454	2026								11041	9090
- POLYESTER	309.6630	1077	823	1475	867	525								4767	2766
- ACRYLIC	309.6645	20	53	0	18	41								132	25
- OTHER	309.6660	415	518	810	415	460								2618	3631
NOILS & GARNETTED FIBERS	309.7000*	0	0	0	0	0								0	121
OTHER WASTE, ADVANCED	309.7525 - .7555	42	153	67	638	1016								1916	1762
SUBTOTAL ABOVE		**3833**	**3729**	**5452**	**3392**	**4068**								**20474**	**17395**
TOTAL MAN-MADE ABOVE		**33266**	**33229**	**36893**	**32264**	**29991**								**165642**	**148883**
OTHER MAN-MADE FIBER TOPS, YARN & THREAD															
YARN - PLIED															
TEXTURED - CELLULOSIC	310.1506	0	0	+	0	0								0	30
- NONCELLULOSIC	310.1015[d]& .1205[e]	142	337	593	392	244								1708	5152
OTHER - CELLULOSIC	310.1030 & .1535[f]	8	85	7	43	19								162	24
- NONCELLULOSIC	310.1050 & .1070[g]	336	339	306	285	157								1423	258
SPUN YARN - CELLULOSIC	310.4005 & .4030[h]	151	112	165	134	60								622	901
- OTHER	310.4015 & .4027[i]	2574	3765	3232	3780	4318								17669	16509
OTHER YARNS - NES, INCL. CHENILLE	310.6034 - .8000	1493	1673	1629	2004	1943								8742	4675
HANDWORK YARNS & SEWING THREAD	310.9000 & .9310[j]	831	662	217	690	689								3089	2051
SLIVER, TOPS & ROVING	309.9000	383	279	281	607	585								2135	1480
TEXTILE GLASS FIBER	309.2800 & .2900[k]	1431	1672	1653	2285	1279								8320	11979
GRAND TOTAL ABOVE		**40615**	**42153**	**44976**	**42484**	**39285**								**209512**	**191942**

SOURCE: U.S. Census Bureau Report IM145X.

NES Not elsewhere specified.

\+ Nominal quantity.

* These items are not reported by the Census as cellulosic vs. noncellulosic. Any seperation between cellulosic and noncellulosic is estimated, based mainly on average declared value.

a. Also includes 310.0610.
b. Also includes 310.0550, .0630 & .0650.
c. Also includes 309.0340, .0365, .0500, .0630, .0640 & .0665.
d. There may be some acetate yarn in these data, but the Census figures do not permit a segregation.
e. Also includes 310.1210.
f. Also includes 310.2110.
g. Also includes 310.1510, .1514, .1550, 1555, .1570, .2050, .2130 & .2150.
h. Also includes 310.5005 & .5030.
i. Also includes 310.4046, .4047, .4050, .5015, .5046, .5047, .5049 & .5051.
j. Also includes 310.9320 & .9500.
k. Chiefly roving. Also includes 309.9800 & .9900.

TABLE 13:
U.S. EXPORTS OF MAN-MADE FIBERS

THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1/1/87	1987 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR TO DATE 1987	1986
CELLULOSIC FIBERS															
FILAMENT YARN[a]															
TEXTURED	310.0004	43	100	101	24	17								285	33
OTHER[b]	310.0026	475	365	639	468	654								2601	3165
MONOFILAMENTS	309.0110	0	0	0	2	0								2	52
STRIPS	309.2210	1	1	40	2	13								57	14
SUBTOTAL ABOVE		519	466	780	496	684								2945	3264
STAPLE+TOW-RAYON	309.4222	3930	1732	3107	2705	2582								14056	13267
STAPLE-ACETATE	309.4219	33	112	156	112	215								628	870
SUBTOTAL ABOVE		3963	1844	3263	2817	2797								14684	14137
WASTE, ADVANCED&NOT ADVANCED	309.7400	231	169	47	134	52								633	887
NONCELLULOSIC FIBERS															
YARN - SINGLES															
NYLON - TEXTURED	310.0005 & .0007	2678	2441	2542	2077	2760								12498	9442
- HIGH TENACITY[c]	310.0027	7294	6373	5419	6719	7072								32877	30080
- OTHER	310.0029	636	684	605	753	883								3561	4444
POLYESTER - TEXTURED	310.0010	2151	2949	3145	2473	2079								12797	46923
- HIGH TENACITY[c]	310.0032	1691	1913	2308	1475	1806								9193	10121
- OTHER[d]	310.0034	160	233	152	75	201								821	1293
OTHER - TEXTURED	310.0014	1053	1386	1502	1133	1406								6480	12951
- OLEFIN	310.0040	74	35	53	55	16								233	1308
- OTHER	310.0044	389	577	654	748	445								2813	2557
MONOFILAMENTS, ALL DENIERS															
NYLON	309.0120	416	687	641	417	553								2714	1945
POLYESTER	309.0140	322	523	524	587	1447								3403	2630
OTHER	309.0170	478	492	875	480	718								3043	2061
STRIPS	309.2220 & .2270	259	424	470	342	537								2032	1380
SUBTOTAL ABOVE		17601	18717	18890	17334	19923								92465	127135
STAPLE - NYLON	309.4240	2060	1757	2615	1445	2092								9969	5817
- POLYESTER	309.4242	18819	17019	16575	14494	13960								80867	39809
- ACRYLIC	309.4245	4792	3355	2531	2440	4482								17600	30508
- OLEFIN	309.4246	1893	2016	2642	2075	1583								10209	5982
- OTHER	309.4247	1004	3194	2027	2959	4586								13770	7680
GROUPED FILAMENTS															
NYLON	309.3220	283	737	386	275	259								1940	3087
POLYESTER[d]	309.3240	1941	1832	1578	2318	1728								9397	8856
ACRYLIC	309.3250 & .3255	1653	2207	1805	1980	329								7974	12473
SUBTOTAL ABOVE		32445	32117	30159	27986	29019								151726	114212
WASTE, ADVANCED&NOT ADVANCED															
- NYLON	309.7620	1021	1143	1095	1164	1260								5683	2926
- POLYESTER	309.7630	2830	4049	5303	5570	5293								23645	26959
- ACRYLIC	309.7640	1086	1362	1545	432	428								4853	2900
- OTHER	309.7660	2543	3090	5034	2174	2633								15474	19251
SUBTOTAL ABOVE		7480	10244	12977	9340	9614								49655	52036
TOTAL MAN-MADE ABOVE		62239	63557	66116	58107	62089								312108	311671
TEXTILE GLASS FIBER	309.2700 & .9700	5992	6585	7160	7265	7967								34969	23536
GRAND TOTAL ABOVE		68231	70142	73276	65372	70056								347077	335207

SOURCE: U.S. Census Bureau Report EM522.

a. Includes thrown, singles and plied yarn.

b. Includes an undetermined amount of rayon tire cord and cord fabric.

c. Includes an undetermined amount of noncellulosic tire cord and cord fabric.

d. Includes zero twist yarns.

TABLE 14:
SELECTED U.S. MONTHLY FIBER DATA

MILLION POUNDS

ITEM	1987 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR TO DATE[a] 1987	1986
	TOTAL SHIPMENTS[b]													
MAN-MADE FIBER DATA [c]														
YARN+MONOFILAMENTS														
CELLULOSIC YARN	14.6	13.7	15.9	16.5	16.1	16.9							93.7	108.8
NYLON[d] - INDUSTRIAL[e]	31.0	32.8	30.6	29.5	35.7	30.0							189.6	168.0
- CARPET	75.1	77.6	79.9	76.9	86.2	77.5							473.2	433.5
- TEXTILE[g]	30.5	30.4	33.5	32.1	32.4	32.6							191.5	185.5
POLYESTER - INDUSTRIAL[e]	26.6	27.6	29.4	27.7	28.0	27.1							166.4	157.4
- TEXTILE[g]	63.3	64.0	72.3	75.7	73.6	72.1							421.0	426.5
OLEFIN[f]	92.3	87.6	84.3	88.9	89.8	94.7							537.6	505.0
TOTAL NONCELLULOSIC ABOVE	318.8	320.0	330.0	330.8	345.7	334.0							1979.3	1875.9
STAPLE+TOW+FIBERFILL														
RAYON	34.1	29.7	36.1	33.2	31.6	34.4							199.1	196.8
NYLON[d]	84.1	81.2	86.2	88.7	91.1	78.4							509.7	405.2
ACRYLIC+MODACRYLIC	49.2	50.7	54.2	51.2	52.3	45.1							302.7	313.1
POLYESTER	184.8	192.2	205.6	195.1	193.4	207.7							1178.8	1049.7
OLEFIN+VINYON[h]	28.2	27.9	31.9	31.1	30.0	30.2							179.3	165.5
TOTAL NONCELLULOSIC ABOVE	346.3	352.0	377.9	366.1	366.8	361.4							2170.5	1933.5
	END-OF-MONTH STOCK													
YARN+MONOFILAMENTS														
CELLULOSIC YARN	17.9	18.2	16.8	15.2	14.7	14.0							14.0	12.5
NYLON[d] - INDUSTRIAL[e]	29.2	24.9	26.7	29.0	27.0	25.8							25.8	25.4
- CARPET	56.6	55.5	52.3	52.4	48.3	47.7							47.7	56.8
- TEXTILE[g]	49.6	49.4	46.5	47.2	47.6	47.0							47.0	43.9
POLYESTER - INDUSTRIAL[e]	30.6	30.0	27.8	29.0	28.5	29.4							29.4	31.2
- TEXTILE[g]	85.6	88.8	87.6	83.2	80.0	85.7							85.7	86.2
OLEFIN[f]	54.7	55.6	54.5	56.3	56.0	55.7							55.7	61.5
TOTAL NONCELLULOSIC ABOVE	306.3	304.2	295.4	297.1	287.4	291.3							291.3	305.3
STAPLE+TOW+FIBERFILL														
RAYON	24.3	26.1	23.8	24.7	25.9	25.1							25.1	20.5
NYLON[d]	59.3	53.8	58.7	57.7	56.4	61.5							61.5	85.4
ACRYLIC+MODACRYLIC	68.2	67.9	67.8	70.1	71.6	78.2							78.2	51.4
POLYESTER	178.0	169.8	162.3	162.4	171.7	161.6							161.6	164.8
OLEFIN+VINYON[h]	33.3	32.6	31.0	30.3	30.8	31.8							31.8	28.9
TOTAL NONCELLULOSIC ABOVE	338.8	324.1	319.8	320.5	330.5	333.1							333.1	330.5
WOOL & COTTON CONSUMPTION														
APPAREL CLASS WOOL	13.8	13.1	15.0	13.7									55.6	52.1
CARPET CLASS WOOL	0.8	0.8	1.2	1.3									4.1	3.5
TOTAL RAW WOOL	14.6	13.9	16.2	15.0									59.7	55.6
RAW COTTON	302.3	281.8	341.4	311.9	378.2								1615.6	1328.6

a. "Year-to-date" totals for stock, are the latest month's figures.
b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.
c. Producers' total domestic plus export shipments.
d. Data for nylon exclude Aramid.
e. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.
f. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.
g. Low denier industrial nylon and polyester included with Textile.
h. 1987 data exclude Vinyon.